82nd ANNUAL REPORT

1986 - 1987

Alberta

EDUCATION

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Office of the Minister

130 Legislature Building, Edmonton, Alberta, Canada T5K 2B6 403/427-2025

Her Honour, The Honourable Helen Hunley
The Lieutenant-Governor of Alberta
Legislature Building
Edmonton, Alberta

Your Honour:

I have the honour to submit the Annual Report of Alberta Education for the period April 1, 1986 to March 31, 1987.

Respectfully submitted,

Nancy J. Betkowski
Minister of Education

Alberta

EDUCATION

Office of
the Deputy Minister

403/427-2889

10th Floor, Devonian Building
11160 Jasper Avenue
Edmonton, Alberta, Canada T5K 0L2

Honourable Nancy Betkowski
Minister of Education
Legislative Building
Edmonton, Alberta

Dear Madam Minister:

I herewith submit the Annual Report of Alberta Education for the fiscal year ending March 31, 1987.

Respectfully submitted,

Reno Bosetti
Deputy Minister

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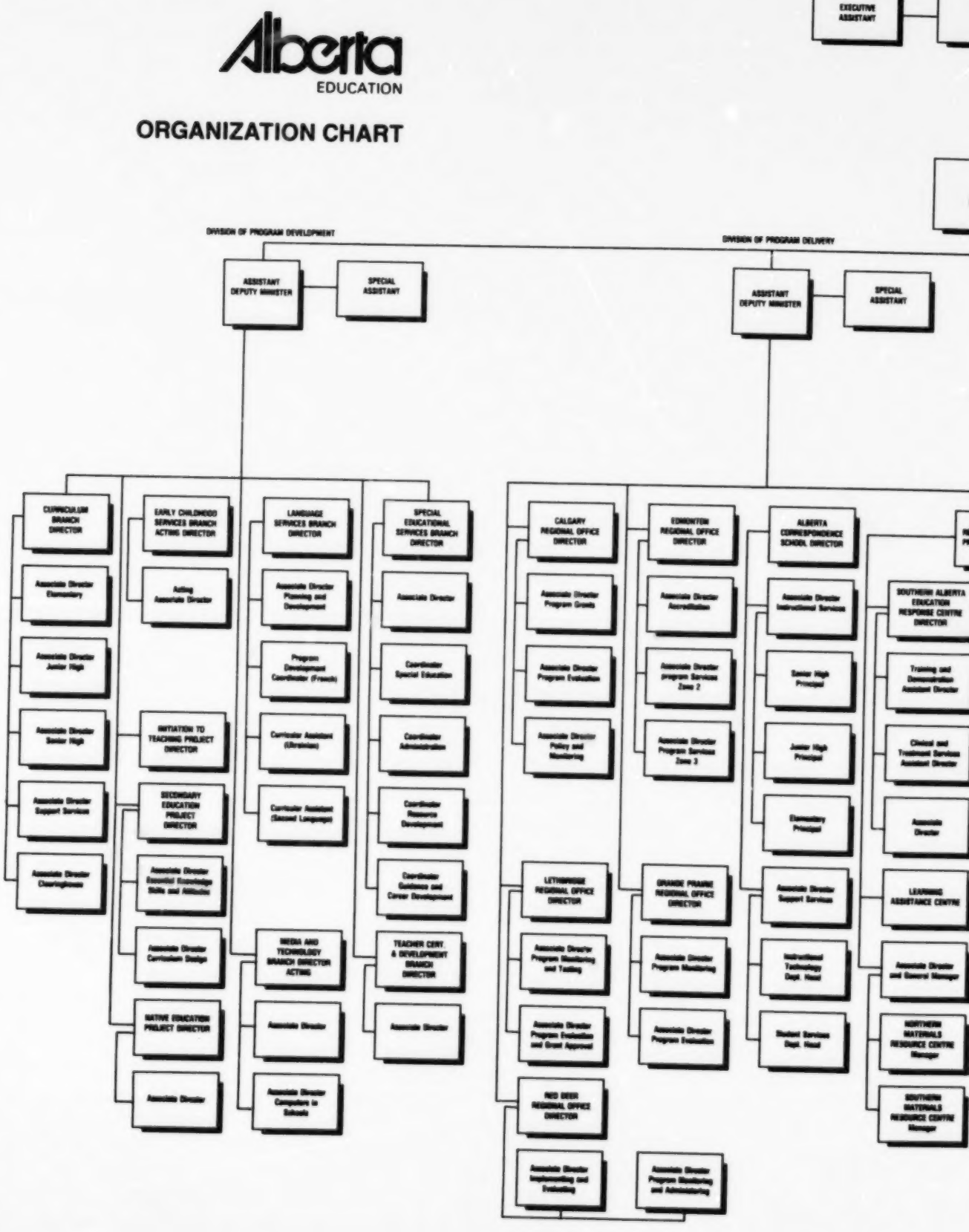
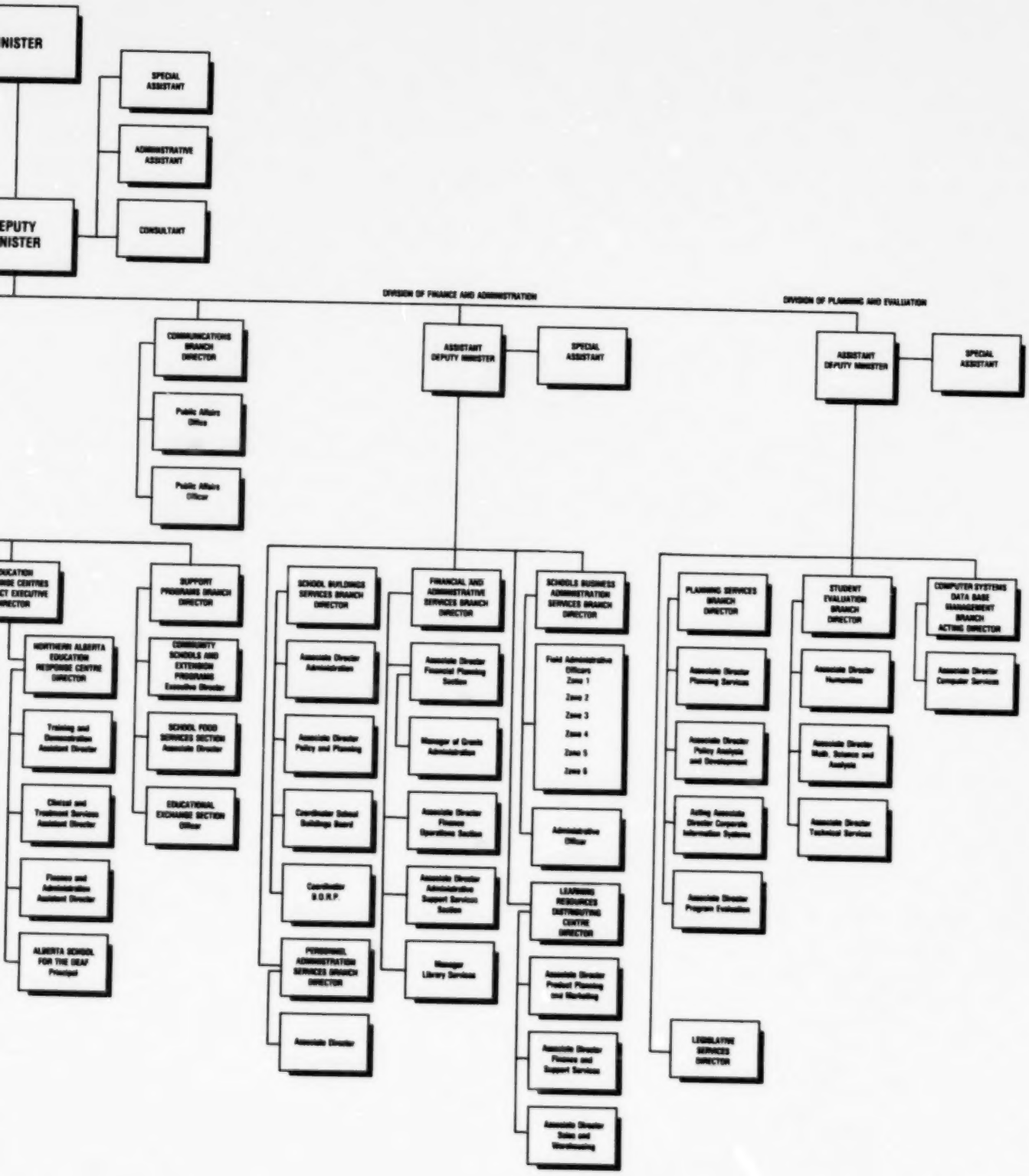
Alberta
EDUCATION

ORGANIZATION CHART


EXECUTIVE ASSISTANT
DIVISION OF PROGRAM DEVELOPMENT
ASSISTANT DEPUTY MINISTER
SPECIAL ASSISTANT
CURRICULUM BRANCH DIRECTOR
Associate Director Elementary
Associate Director Junior High
Associate Director Senior High
Associate Director Support Services
Associate Director Clearinghouse
EARLY CHILDHOOD SERVICES BRANCH ACTING DIRECTOR
Acting Associate Director
INITIATION TO TEACHING PROJECT DIRECTOR
SECONDARY EDUCATION PROJECT DIRECTOR
Associate Director Essential Knowledge Skills and Attitudes
Associate Director Curriculum Design
NATIVE EDUCATION PROJECT DIRECTOR
Associate Director
LANGUAGE SERVICES BRANCH DIRECTOR
Associate Director Planning and Development
Program Development Coordinator (French)
Curricular Assistant (Ukrainian)
Curricular Assistant (Second Language)
MEDIA AND TECHNOLOGY BRANCH DIRECTOR ACTING
Associate Director
Associate Director Computers in Schools
SPECIAL EDUCATIONAL SERVICES BRANCH DIRECTOR
Associate Director
Coordinator Special Education
Coordinator Administration
Coordinator Resource Development
Coordinator Guidance and Career Development
TEACHER CERT. & DEVELOPMENT BRANCH DIRECTOR
Associate Director
DIVISION OF PROGRAM DELIVERY
ASSISTANT DEPUTY MINISTER
SPECIAL ASSISTANT
CALGARY REGIONAL OFFICE DIRECTOR
Associate Director Program Grants
Associate Director Program Evaluation
Associate Director Policy and Monitoring
LETHBRIDGE REGIONAL OFFICE DIRECTOR
Associate Director Program Monitoring and Testing
Associate Director Program Evaluation and Grant Approval
RED DEER REGIONAL OFFICE DIRECTOR
Associate Director Implementation and Evaluation
EDMONTON REGIONAL OFFICE DIRECTOR
Associate Director Accreditation
Associate Director program Services Zone 2
Associate Director Program Services Zone 3
GRANDE PRAIRIE REGIONAL OFFICE DIRECTOR
Associate Director Program Monitoring
Associate Director Program Evaluation
Associate Director Program Monitoring and Administering
ALBERTA CORRESPONDENCE SCHOOL DIRECTOR
Associate Director Instructional Services
Senior High Principal
Junior High Principal
Elementary Principal
Associate Director Support Services
Instructional Technology Dept. Head
Student Services Dept. Head
SOUTHERN ALBERTA EDUCATION RESPONSE CENTRE DIRECTOR
Training and Demonstration Assistant Director
Clinical and Treatment Services Assistant Director
Associate Director
LEARNING ASSISTANCE CENTRE
Associate Director and General Manager
NORTHERN MATERIALS RESOURCE CENTRE Manager
SOUTHERN MATERIALS RESOURCE CENTRE Manager


NISTER
SPECIAL ASSISTANT
ADMINISTRATIVE ASSISTANT
EPUTY NISTER
CONSULTANT
DIVISION OF FINANCE AND ADMINISTRATION
DIVISION OF PLANNING AND EVALUATION
COMMUNICATIONS BRANCH DIRECTOR
Public Affairs Officer
Public Affairs Officer
ASSISTANT DEPUTY MINISTER
SPECIAL ASSISTANT
ASSISTANT DEPUTY MINISTER
SPECIAL ASSISTANT
NORTHERN ALBERTA EDUCATION RESPONSE CENTRE DIRECTOR
Training and Demonstration Assistant Director
Clinical and Treatment Services Assistant Director
Finance and Administration Assistant Director
ALBERTA SCHOOL FOR THE DEAF Principal
SUPPORT PROGRAMS BRANCH DIRECTOR
COMMUNITY SCHOOLS AND EXTENSION PROGRAMS Executive Director
SCHOOL FOOD SERVICES SECTION Associate Director
EDUCATIONAL EXCHANGE SECTION Officer
SCHOOL BUILDINGS SERVICES BRANCH DIRECTOR
Associate Director Administration
Associate Director Policy and Planning
Coordinator School Buildings Board
Coordinator B.D.R.P.
PERSONNEL ADMINISTRATION SERVICES BRANCH DIRECTOR
Associate Director
FINANCIAL AND ADMINISTRATIVE SERVICES BRANCH DIRECTOR
Associate Director Financial Planning Section
Manager of Grants Administration
Associate Director Finance Operations Section
Associate Director Administrative Support Services Section
Manager Library Services
SCHOOLS BUSINESS ADMINISTRATION SERVICES BRANCH DIRECTOR
Field Administrative Officers
Zone 1
Zone 2
Zone 3
Zone 4
Zone 5
Zone 6
Administrative Officer
LEARNING RESOURCES DISTRIBUTING CENTRE DIRECTOR
Associate Director Product Planning and Marketing
Associate Director Finance and Support Services
Associate Director Sales and Warehousing
PLANNING SERVICES BRANCH DIRECTOR
Associate Director Planning Services
Associate Director Policy Analysis and Development
Acting Associate Director Corporate Information Systems
Associate Director Program Evaluation
LEGISLATIVE SERVICES DIRECTOR
STUDENT EVALUATION BRANCH DIRECTOR
Associate Director Humanities
Associate Director Math, Science and Analysis
Associate Director Technical Services
COMPUTER SYSTEMS DATA BASE MANAGEMENT BRANCH ACTING DIRECTOR
Associate Director Computer Services

Organization Chart

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DEPUTY MINISTER

Report of the Deputy Minister

The Deputy Minister of Education leads and directs all activities of the department within the policy direction established by the Minister of Education. This includes the development of major plans, programs and budgets. It also includes the administration and management of divisions and branches. The Deputy Minister acts on behalf of the Minister of Education as required and advises the Minister through regular and ad hoc consultations. The Deputy Minister also represents Alberta Education and the government of Alberta in discussion with officials of other governments and agencies. This includes officials of national and international organizations and agencies.

During 1986-87, the department made significant progress in a number of areas.

Work on implementing the Secondary Education Policy continued. Alberta Education completed reviews of all existing core and complementary courses and proceeded with revising curriculum materials. Whenever possible, the department worked with the educational community to make sure their concerns were answered. The first changes related to the policy occurred in September 1986.

The Minister released the Native Education Policy Statement in March 1987. The policy was the result of many discussions with Native groups and individuals over a long period.

Alberta Education also continued to implement the Management and Finance Plan, introduced in 1983. More improvements were made in monitoring procedures and achieving results.

A major challenge for the department was budget restraint. Economic conditions created a challenge for everyone involved in education in the province. Government restraint measures affected internal programs and staffing as well as funding for school jurisdictions. Department staff held many meetings with school board officials in December 1986 to discuss problems and gather input. Seminars on fiscal restraint management gave school jurisdictions and Alberta Education a chance to explore strategies for managing restraint.

An important initiative during 1986-87 was the drafting of a new School Act. Alberta Education and many groups and individuals across Alberta held extensive meetings to prepare for a spring reading of the new Act. Copies of the discussion paper, A Framework for Legislation: A New School Act, were widely distributed. Other activities within the department included the Initiation to Teaching Project and setting up Education Response Centres. Alberta Education released a unique diagnostic evaluation program for elementary reading in September 1986.

Planning proceeded for a department reorganization, to take effect between April 1, 1987 and the end of the year.

The focus on office automation continued. Most branches effectively added computer systems to improve internal operations and services to the public. Alberta Education aimed at improving communications with stakeholder groups through electronic systems, regular meetings and printed information.

In summary, 1986-87 was a year of many challenges and much activity in all areas of education. A high level of public interest in the quality of education continued. Alberta Education and all of the partners in education worked to address the many important issues facing educators, parents and students in Alberta.

COMMUNICATIONS BRANCH

Report of the Director

The Communications Branch coordinates all department public relations and communications. It informs the public about the policies, programs and services provided by Alberta Education. Branch staff provide public relations consulting and strategic planning to senior management and to all areas of the department. Communications Branch staff also prepare the department communications plan.

In 1986-87, major communications projects included the new School Act, the secondary education policy, Native education and the Education Response Centres.

Many communications vehicles provide information. Print media includes newsletters, news releases, brochures and reports. Regular newsletters included Education Today in Alberta, and Intercom - an internal newsletter. Staff also coordinated two special newsletters - the Secondary Education Bulletin and the Education Response Centres newsletter. Communications produced a video on secondary education, and a video media summary of the new diagnostic reading program. Staff also helped produce videos for the new School Act and for the School Buildings Branch. The branch organized displays at Klondike Days and the Calgary Stampede that reached many parents.

Liaison with educational groups and associations continued as a focus of the branch. The branch uses an electronic bulletin board system to report new activities in education and in the department. The communications director chairs the Provincial Education Week Committee, made up of representatives of other educational associations. The committee coordinates the province-wide events of Education Week.

Another role of the branch is to help the branches of Alberta Education in organizing public meetings and conferences.

Staff also give editing, design, advertising, and print production services to all branches. In 1986-87, the branch processed an average of 68 orders a month for printing, design and audio-visual projects. Another major role is monitoring media reports and preparing summaries for issues management.

Communications coordinates an information centre for the general public and department staff. Included in the centre are print materials and video information from other provincial departments and other provinces. The centre also displays Alberta Education reports and general information.

DIVISION OF PROGRAM DEVELOPMENT

Report of the Assistant Deputy Minister

In 1986-87, the Program Development Division was one of four divisions within Alberta Education. This division develops, implements and monitors the policies, content, and requirements of educational programs.

The division had six branches and four project areas. Branches included Curriculum, Early Childhood Services, Language Services, Special Educational Services, Media and Technology, and Teacher Certification and Development. Project areas were Council on Alberta Teaching Standards, the Initiation to Teaching Project, the Native Education Project and the Secondary Education Project.

The division develops the content and requirements of education programs. This responsibility directly affects students' educational experiences. The division defines program expectations for children starting their formal education. It also develops programs in French, languages other than English and for students who have special needs. The division sets standards for teacher certification through Teacher Certification and Development Branch. The division chooses and approves curricula and learning resources, and obtains technology for use by teachers and students.

The Assistant Deputy Minister represents Alberta Education on the Board of Directors for ACCESS and the Alberta Educational Communications Authority. This representation assures that the educational radio and television programs of ACCESS support the Alberta Education curricula.

Major responsibilities of the division include developing, implementing and monitoring policies for the development, content and requirements of educational programs. This covers a range of activities. It could mean creative or research activities to set content and requirements of new programs. It could also mean activities which maintain or improve current programs.

Major activities for the Program Development Division in 1986-87 include:

- carrying out the policy statement on secondary education in Alberta, by reviewing and assessing all current core and complementary courses, and
- changing or developing as required;
- helping with the development of the Olympic curriculum kits for the 1988 Winter Olympics in Calgary;
- developing the Native Education Policy;
- release of Developmental Framework: Cognitive Domain, which describes how children learn and grow.

Descriptions of each branch follow.

CURRICULUM BRANCH

Report of the Director

The Curriculum Branch translates the goals of basic education for Alberta into programs of study for students in Grades 1 to 12. The branch produces curriculum guides for teachers, and recommends textbooks and learning resources for courses in most subjects. The branch also prepares support publications for schools. Curriculum specifications provided by the branch help in preparing provincial achievement tests and diploma examinations.

Program coordinating and subject advisory committees guide program development at elementary, junior and senior high levels. Most committees consist of representatives from various educational groups across Alberta.

The Curriculum Branch continued to revise, develop and field test curricula and learning resources during 1986-87. This included computer software. As well, staff reviewed complementary subject areas at the secondary level and developed an approach for integrating thinking skills across the curriculum. Branch staff also helped in assessing materials developed by the 1988 Calgary Winter Olympics committee and the Native Education Project. The Curriculum Branch and the Red Cross Society jointly produced a learning resource.

Elementary Unit

The elementary unit recommended learning resources in language arts, mathematics, social studies, health, computer literacy, physical education and fine arts. Revised social studies and music programs were being developed. A committee looked at other ways of delivering elementary curriculum to increase subject area integration. The unit continued to work with ACCESS in designing teacher inservice programs and student resources in drama and art.

Junior High Unit

The junior high unit finished developmental work on the health and personal life skills and language arts curricula. Development and validation work on physical education, home economics, drama and music continued. As well, developmental work began in social studies, mathematics, science, ethics and agriculture.

The program of studies for health and personal life skills received approval. Curriculum guides and teacher resource manuals then went to schools. Basic, recommended and supplementary resources were authorized. The branch prepared an inservice program with ACCESS and oriented school jurisdiction representatives at a provincial inservice. A new basic textbook series for language arts also received approval. Major resource reviews were undertaken in the subject areas which were under development.

The branch developed a framework for junior high curriculum development and guidelines for required and elective components of courses.

Senior High Unit

Proposals for a new direction of programs based on the secondary education policy were developed for mathematics, science and social studies. These proposals served as the basis for preliminary discussion with the field, including post-secondary institutions. Graduation requirements (general and advanced diplomas, and the Certificate of Achievement) and credits for core programs were discussed at length. These talks resulted in a paper on proposed directions for senior high programs.

Career and life management (CALM) program work included a pre-pilot validation seminar and a field test of the core component. Optional modules in human sexuality areas dealt with crisis, entrepreneurship and cultural transitions. Proposals for custom publishing of a basic text to support the course were requested from publishers.

New programs in Art 10-20-30, Art 11-21-31, and Reading 10 were approved. Curriculum guides and support manuals for these programs were developed and new learning resources were authorized. Further validation of Physical Education 10-20-30 focused on managing and applying the skill-levels approach which forms the program base. Rural and urban schools got involved in this process. The branch developed and approved a provincial policy for locally developed Religious Studies 15-25-35 programs for the 1986-87 school term.

The branch developed transitional guidelines to help social studies teachers implement the 50 per cent pass mark. These were sent to principals and superintendents. Several teacher resource manuals for business education programs were distributed.

A variety of productivity software, including word processing, database management and spreadsheet packages, were authorized as basic resources. New or revised resources were approved for several senior high school courses.

Integrated Occupational Program

Representatives from the Apprenticeship Board, Conference of Alberta School Superintendents and Alberta Teachers' Association set up an advisory committee early in 1986.

After an Issues Identification Seminar, the branch compiled a development plan to present to senior administrators at seminars. The development plan received approval in January 1987.

A module for mathematics was field tested in six schools during the 1986-87 school year. Staff then developed course profiles and tested an integration process as a model for developing curriculum for Integrated Occupational Program courses.

Essential concepts, skills and attitudes which tie into core and complementary components of the Integrated Occupational Program were identified. Developmental work on the junior high component of the program also started in early 1987. School jurisdictions received an information bulletin in March 1987 requesting applications to field test levels eight and nine of the program.

Curriculum Branch Clearinghouse

The Clearinghouse reviews, screens, and evaluates computer software for Early Childhood Services through Grade 12. Educators throughout the province receive this information. During 1986-87, the Clearinghouse coordinated the review of learning resources in a variety of media formats.

The Clearinghouse reviewed about 3700 computer courseware products and screened 349 programs, with the help of trained teacher evaluators throughout Alberta. All schools received the information on the courseware in a document called Computer Courseware Evaluations. The document will guide Alberta educators in buying computer software.

The Clearinghouse negotiated a licensing agreement with the Minnesota Educational Computing Corporation (MECC) on behalf of Alberta Education. This allowed the Alberta Education Communication Corporation (ACCESS Network) to continue reproducing computer programs and sending accompanying print materials to Alberta schools. ACCESS Network reproduced over 11,300 copies from the 169 programs which were available.

As well, the Clearinghouse produced the laserdisc called Sightlines: A Visual Encyclopedia for the Arts, Sciences and Humanities. The laserdisc received approval as a basic resource for all junior and senior high school art courses. Sightlines is among the most complete collections of art and artifact images available in the world today. The laserdisc has over 25,000 still images, as well as film and video material. It also provides the images in a very rapid, useful format which teachers and students can use in many ways.

LANGUAGE SERVICES BRANCH

Report of the Director

The Language Services Branch plans, develops, and implements second language programs for instruction in languages other than English. The second language programs include English as a Second Language and Native languages.

French Language Education

In 1986-87, the French language education section was involved in the following activities:

1. Completing and distributing:
   a) Curriculum guides for Biology 10-20-30, Computer Literacy 10-20-30, and Computer Processing 10-20-30.
   b) Social studies teaching units for Topics 4A, 9A, 12A, and 12B.
   c) L'Alberta: ses ressources naturelles (produced by Alberta Education), and Les cultures au Canada and L'heritage politique du Canada (translation of both texts was subsidized by Alberta Education).
2. Developing:
   a) Programs of Studies for elementary French language arts (Francophone) and elementary French language arts (immersion),
   b) Curriculum guides for Accounting 10-20-30, elementary art, elementary French language arts (Francophone), elementary French language arts (immersion), junior high health, Law 20-30 and Typewriting 10-20-30.
   c) Teacher resource handbooks for elementary health, junior high health and personal development skills, and problem solving challenge for junior high mathematics.

The year's activities focussed on French language arts. Over 100 teachers helped to pilot the elementary French language arts programs developed for Francophone and immersion students. Student resources were piloted from Grade 1 to Grade 11; novels and plays were also piloted at the secondary level. Development of the secondary French language arts programs began this year. Representatives from jurisdictions offering instruction in French met often to plan strategies and activities supporting effective implementation of French language arts programs.

Production of six video cassettes to help teachers implement the new language arts programs continued. ACCESS is producing a series of 48 audiocassettes for elementary students. While developing the students' listening skills, those materials also allow students to become familiar with French-Canadian history and culture.

Second Language Programs

Senior high English as a second language programs (ESL 10A, B and C with supporting learning resources) received approval. Optional implementation was set for September 1986. The funding ceiling rose from two to three years. A number of support documents were also developed. One of these was a select bibliography of learning resources for Grades 1 to 12. Guidelines for English as a second language instruction at elementary and junior high levels were completed. Three support documents were in the development stages.

In Native language education, a generic program underwent field validation. The Cree as a second language program, Grades 1 to 9, progressed. The Language Services Branch funded and directed four Native language learning resource projects. The Blackfoot Language Development Series, SIKSIKA, was available for school use. A similar series for Cree and a Cree/ESL read-along series went into production.

Several resources supporting the nine-year French as a second language program were identified and evaluated. The branch also published and distributed a manual of French second language learning resources.

Four support documents for Ukrainian as a second language programs were finished - three teaching units and an annotated list of supplementary resources. The branch developed a support document for teachers on integrating the linguistic and cultural components of a second language program. Work started on a new second language program for German at the junior high level.

French, Ukrainian, German and English second language programs were reviewed based on the secondary education policy. Recommendations for revision and development were put forward to the Minister.

Instruction in Ukrainian - The Ukrainian Bilingual Program

Alberta Education purchased a basic resource called NOVA for Grade 1 Ukrainian language arts. NOVA was prepared for a formal pilot in Grade 1 Ukrainian bilingual classrooms in the fall of 1987. Development of NOVA Grade 2 began under contract to Alberta Education in August 1986 with plans for completion by July 1987. Preliminary field-testing of ideas and techniques for Grade 3 Ukrainian language arts materials also began in September 1986.

Language Services developed and piloted 18 social studies teaching units in Ukrainian for Grades 1 to 6. The branch will revise these units as appropriate, following the completion of the new elementary social studies program.

Anthologies for junior high Ukrainian language arts and accompanying suggested activities were field tested during the 1986-87 school year. All bilingual teachers at the secondary level were involved in this project.

ACCESS Network began two new audiovisual projects for instruction in Ukrainian. The first project, scheduled for completion by September 1987, involves the dubbing of seven television programs into Ukrainian. The programs present legends of the prairie Indian with shadow puppets. The second ACCESS Network project involves producing 24 audiotapes of adaptations of Ukrainian classical literature. These will be for Ukrainian language arts, Grades 7 to 12.

At the request of the Minister, Alberta Education hosted a one-day Colloquium on Bilingual Education in Alberta in April 1986. Parents representing Hebrew, Yiddish, Ukrainian, German, Polish, Arabic and Mandarin bilingual programs were invited to submit position papers on bilingual education. After the colloquium, a parent implementation committee developed recommendations to the Minister on bilingual education.

On April 28 and 29, 1986 the first meeting of the Joint Ukrainian Bilingual Curriculum Project took place in Winnipeg. Education department staff from Alberta, Saskatchewan and Manitoba involved in Ukrainian bilingual education met to examine possibilities for interprovincial cooperation. The meeting resulted from letters of agreement to cooperate in Ukrainian bilingual education, signed in 1985 by the three provincial education ministers.

Federal-Provincial Agreement on Official Languages in Education

Branch staff were involved in the administration of the Federal-Provincial agreement. The agreement involves program grants of $7,460,000 for Alberta students in jurisdictions offering French language programs. As well, $2,448,200 will support 40 cost-shared special projects.

MEDIA AND TECHNOLOGY BRANCH

Report of the Director

The Media and Technology Branch improves and enhances the access to and quality of media resources for learning. The branch also helps apply technology in instruction and learning in Alberta schools.

In 1986-87, the branch's activities covered the following three general areas.

Liaison and Policy Development

After Ministerial approval of the School Library Policy Statement, branch staff developed an inservice program of five modules for local school jurisdictions. The modules were designed to help school staff plan, develop and implement an integrated school library program. Staff then coordinated a series of inservice workshops, and production/distribution of support material, to help implement the School Library Policy.

A first draft of a Strategic Plan for Microcomputers in Schools focused on using the computer as a learning and teaching tool. It also proposed getting provincial licenses for education software.

Execution of established procedures led to preparing a list of departmental priorities for ACCESS productions and acquisitions. Staff then reviewed the Project Decisions Model. Revisions resulting from the review will proceed in 1987-88. As well, the branch provided liaison with ACCESS to monitor the progress of projects undertaken for basic education.

In addition to monitoring activities of the regional film centres, the branch coordinated meetings between the centres, ACCESS and the private sector. The meetings dealt with cooperative buying of film and video resources.

The branch represented Alberta Education on an Interprovincial/Territories Distance Education Committee. This committee developed a major distance education proposal with significant funding coming from the Canadian Jobs Strategy in Ottawa.

Resource Development and Evaluation

In the area of resource development, Alberta Education staff participated in ACCESS program design, development, production and acquisition of learning resources.

Interprovincially, branch staff continued to administer and coordinate the work of the Canadian Exchange for Instructional Materials Analysis (CEIMA). To train CEIMA analysts, workshops were held in Alberta, Ottawa and Toronto.

A major project involved evaluating computer productivity software (e.g. word processors, spreadsheets, data base managers) on a cost-performance basis. The branch supported development and production of learning resources for the Language Services Branch and the Native Education Project.

The branch worked with the Curriculum Branch in editing and pressing the final Sightlines laserdisc. After production of a mini catalogue, work on producing the main catalogue continued.

Research

In the area of learning resources and technology research, many major projects were finished. A study of Microcomputers in Alberta Schools (Phases I and II) updated data on computer hardware purchases and computer use by schools.

A study of the Minnesota Educational Computing Consortium (MECC) provincial software licence advised on distributing and using MECC materials across Alberta. Media hardware types, distribution, and use in Alberta schools were also studied.

The Minister, ACCESS and regional film centres received copies of a report on the video distribution demonstration project. With ACCESS, the branch began analyzing and designing new technological approaches to using satellite technology for educational purposes.

EARLY CHILDHOOD SERVICES BRANCH

Report of the Director

In 1986-87, the Early Childhood Services Branch continued to develop policies and support materials to shape locally developed programs. The branch also helped school boards, private schools and private Early Childhood Services operators in all aspects of programs. This included developing, implementing and evaluating programs. Programs should meet the physical, social, emotional, creative and intellectual needs of young children. Enrollment in Early Childhood Services programs continued to be voluntary.

In October 1986, the Early Childhood Services Policy Advisory Council dissolved. It offered recommendations on 14 policy issues and a policy for articulation of Early Childhood Services through Grade 6 education programs. Early Childhood Services issues were handled on an ad hoc basis by the elementary program coordinating committee during department reorganization. During this time, directional statements were included for Early Childhood Services in revised curriculum specifications for elementary social studies and music. These statements do not detract from local decisions about social studies and music activities in Early Childhood Services programs. For example, one statement suggested removing two themes from the Grade 1 social studies curriculum. This would make the program lighter. It would also add strength to themes in Early Childhood Services programs where "Me" and "Me and My Family" are prime considerations.

Three issues of Early Childhood Services Program Highlights were printed. This newsletter continued to focus on articulation. In 1986-87, over 30,000 copies were sent to all elementary schools in Alberta. Copies were sent on request to several European countries, Australia, the U.S.A. and all Canadian provinces.

Two documents were translated into French: Les voies de l'apprentissage (manuel a l'intention des parents) and Le developpement humain: les premieres annees. A revised Parent Resources Inventory was a start in preparing a French language inventory of the topics found in the English inventory. All operators of minority language and bilingual programs in Alberta received the French inventory.

Five joint Early Childhood Services ACCESS network projects were underway in 1986-87. "Partners in Education" and "Towards Diversity in Communications" reached the feasibility study stage by the end of the program year.

In 1986-87, 1,078 Early Childhood Services centres were operated by 389 jurisdictions. The jurisdictions consisted of 106 school boards, 237 private Early Childhood Services operators and 46 private schools. A total of 39,157 children were enrolled in Early Childhood Services programs in 1986-87. Of these, 2,318 had special needs met through a number of personal program plans based on the child's unique needs. Another 656 children received a program unit grant which provides high-level funding for severely disabled, dependent, blind and/or deaf children. Due to approved program unit grants increasing from 515 in 1985-86 to 656 in 1986-87, Alberta Education established a special committee. The committee reviewed eligibility rules for program unit grant children and equal application of these rules across Alberta in 1987-88.

TEACHER CERTIFICATION AND DEVELOPMENT BRANCH

Report of the Director

The Teacher Certification and Development Branch evaluates teaching credentials, issues certificates, and maintains files on professional studies and services. The branch provides research and consulting services on teacher certification and development to Alberta Education, school jurisdictions and teachers.

The branch helps school systems by evaluating credentials of foreign high school students wishing to study in Alberta. The Certification Referral and the Certification Appeal committees get consulting and support services from the branch. The branch also administers the Teaching Profession Appeal Board, the Board of Reference and the Council on Alberta Teaching Standards.

During 1986-87, the branch staff were involved in the Council on Alberta Teaching Standards and certification initiatives.

Council on Alberta Teaching Standards

The Council on Alberta Teaching Standards developed the Practice Review of Teachers Regulation and procedures to implement the Regulation. As well, the Council recommended changes in certification regulations and policies and a program to recognize teacher excellence. The Council examined teacher preparation programs within Alberta.

Certification

On behalf of Alberta Education, the branch negotiated a Bilateral Teacher Certification agreement with the Province of Ontario. This agreement helps the certification process for Alberta trained teachers who move to Ontario to teach. Certification policies were also reviewed or developed in several areas. These included teachers with criminal convictions, term teaching certificates, accepting religious education courses for certification, permanent certification and Early Childhood Services certificates. Other areas were vocational education and provisional certificates, language skills for certification and Letters of Authority.

The branch reviewed emerging teacher education programs and changing certification standards in Canada and abroad.

TABLE A - Issue of Teaching Certificates

PERMANENT CERTIFICATES

Type of Certificate	Number Issued
Professional	1,516
Standard Secondary	–
Standard Elementary	–
Junior Elementary	–
Total	**1,516**

INTERIM CERTIFICATES

Type of Certificate	Number Issued
Professional	2,529
Standard Secondary	–
Standard Elementary	–
Junior Elementary	–
Provisional	18
Conditional	–
Total	**2,547**

Letters of Authority and Temporary Letters of Authority

There were 171 Letters of Authority and 136 Temporary Letters of Authority issued from April 1, 1986 to March 31, 1987.

Interim Permits

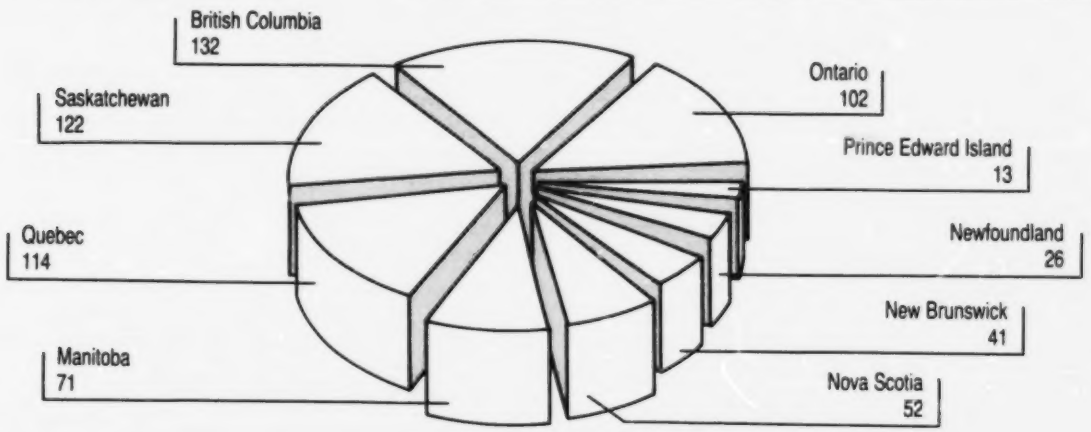
There were 178 Interim Permits issued between April 1, 1986 and March 31, 1987.

Early Childhood Services Diplomas

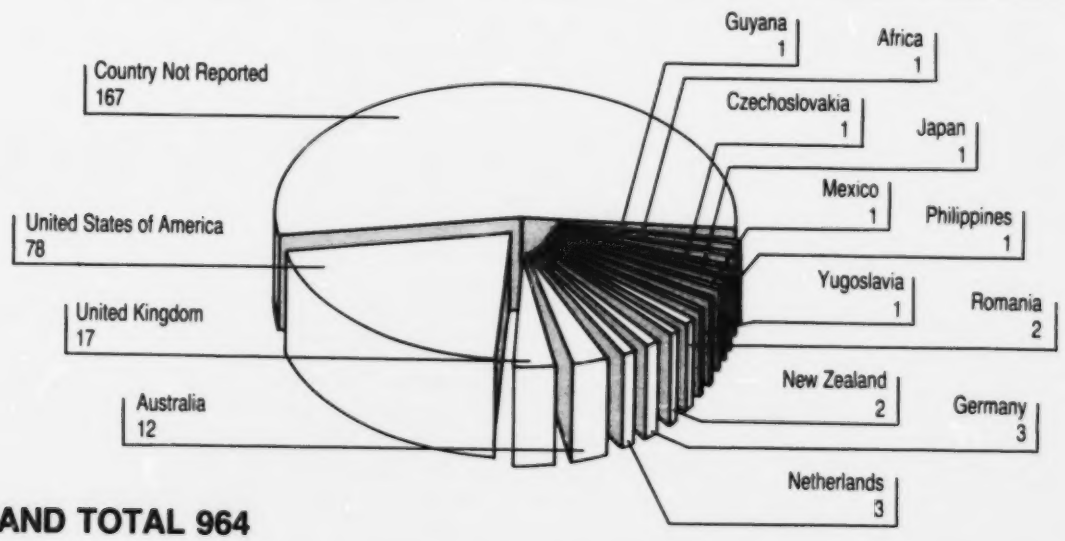
There were 455 Early Childhood Services Diplomas issued between April 1, 1986 and March 31, 1987.

FIGURE 1 Interim Certificates for Teachers Entering Alberta

Total Other Provinces 673



Total Other Countries 291



GRAND TOTAL 964

TABLE B - Issue of Professional Statements

Destination of Teacher	Number of Statements
CANADA	
British Columbia	333
Saskatchewan	82
Manitoba	5
Ontario	162
New Brunswick	5
Newfoundland	5
Nova Scotia	19
Prince Edward Island	1
Quebec	16
Northwest Territories	18
UNITED STATES OF AMERICA	5
OTHER COUNTRIES	3
NOT SPECIFIED	68
Total	**722**

TABLE C - Certificates, by Type, Held by Teachers

	Teachers Employed By Alberta Schools	Other Schools Including Private Schools	Total
Professional	30,697	1,074	31,771
Provisional	28	–	28
Standard S	339	12	351
Standard E	723	24	747
Junior E	766	24	790
Second Class	1	–	1
Letter of Authority	35	13	48
E and S	2	–	2
TOTAL	**32,591**	**1,147**	**33,738**
E.C.S. Diploma	2,528	278	2,806
E.C.S. Permit	224	38	3,806
TOTAL	**2,752**	**316**	**3,068**
GRAND TOTAL	**35,343**	**1,4636,806**	

TABLE D - Degrees, by Type, Held by Teachers

Degree Types	Other Teachers Employed By Alberta Schools	Schools Including Private Schools	Total
B.Ed. Only	18,226	631	18,857
B.Ed. and Other	4,997	157	5,154
Other Bachelors' Degrees	3,956	178	4,134
M.Ed. Only	2,238	43	2,281
M.Ed. and Other	53	1	54
Other Masters' Degrees	963	55	1,018
Doctorate	196	11	207
No Degrees Specified	.962	1	2,033
GRAND TOTAL	**32,591**	**1,147**	**33,738**

TABLE E - High School Evaluations for Students from Outside of Canada

Place of Origin	Evaluations Completed
United States of America	9
Asia	7
Europe	4
Hong Kong	6
British Isles	6
South America	1
Phillipines	5
Africa	1
West Indies	1
Australia/New Zealand	2
Other	47
Total	**49**

SPECIAL EDUCATIONAL SERVICES BRANCH

Report of the Director

The Special Educational Services Branch assures that programs address the needs of exceptional students, including gifted and talented students. The branch develops policy, guidelines and procedures, curricular materials and resources related to special education. To meet this responsibility, several tasks were undertaken during 1986-87.

Manuals on Behavior Disorders in Schools, Educating Gifted and Talented Students, and Learning Disabilities were printed for Alberta teachers. Inservice packages for these manuals were finished and sent for printing.

Canada Career Week in November 1986 focused on skills and attitudes. The 1986 theme was Skills Are Your Passport; all secondary schools received a poster depicting this theme. Two booklets called Lifestyles and Self-Assessment were also developed, printed and sent to high schools. "Organizing an Alberta Career Day," printed in March 1987, went to all schools offering Grades 7 to 12.

Documents called Career Development for Hearing Impaired Students and Counselling for Hearing Impaired Students were written and sent to all Alberta schools. The two booklets give basic information for teachers and counsellors who work with deaf and/or hard of hearing students.

The report called Review of Intelligence Test Use in Alberta Schools also went to all schools. Department policy, guidelines and procedures on the use of intelligence tests were prepared in draft form.

The branch greatly revised the 1985 edition of the Special Education Manual. This manual combines legislation, policies, guidelines and procedures for special education. It also outlines a school jurisdiction's role in providing special educational services. Another document defined adequacy in special education to help teachers, parents and school administrators involved with special education students.

Work started on a teacher manual and student booklet addressing the issue of teen suicide. Two documents on the effects of the Young Offenders Act and the Child Welfare Act were prepared for students, parents and teachers.

A letter sent to all public and Category 2 private schools explained procedures used by Alberta Education for special education placement appeals. This letter also outlined the role of the Regional Offices of Education and updated cases brought before the Provincial Placement Appeal Committee.

SECONDARY EDUCATION PROJECT

Report of the Director

The secondary education policy implementation continued throughout 1986-87.

In April 1986, the Secondary Education Project staff started a review of complementary courses. This review focused on the eight guiding principles of the secondary education policy statement. Since it was not possible to review all 460 complementary courses provided in Alberta, about 160 courses were selected for review.

Review committees were set up for fine and performing arts, home economics, industrial education and second languages. Seventy-two educators from across Alberta helped with the review. Formal evaluation of the complementary courses began in December 1986, and the final reports were submitted in March 1987.

A draft of the Transition to Secondary Schooling monograph came out in January 1987. After the monograph was revised, selected teachers gave feedback.

Work on identifying essential concepts, skills and attitudes for secondary students continued. A revised version of the Grade 12 catalogue of essential learnings received approval in principle. Sequencing started for the essential concepts, skills and attitudes from Grade 7 to Grade 12. The branch produced a draft of the sequenced catalogue. Meetings were held with curriculum developers to help them use the catalogue in the curriculum development process.

In March 1987, the branch distributed a monograph on cognitive development (Student's Thinking: Developmental Framework). The document proved very popular as shown by the many requests for extra copies. The developmental framework will help assure that new and revised curriculum meets students' needs.

A committee explored the roles of thinking skills and strategies in learning using the cognitive developmental framework and essential concepts catalogue. The committee developed a model for applying these two areas of knowledge to the process of developing curriculum.

INITIATION TO TEACHING PROJECT

Report of the Director

The two-year Initiation to Teaching (Internship) Project was to end in June 1987. The project's purpose was to continue professional training of Alberta's education graduates in environments that eased transition from student to professional teacher. The project also employed future teachers who might otherwise be unemployed or underemployed. Early evaluations showed that all those involved saw the project as being highly successful. A provincial evaluation report supported a mandatory program of inducting teachers in which teacher certification would depend on finishing an internship or residency.

Alberta Career Development and Employment, Alberta Education and the involved school systems jointly funded the program. A total of 900 intern positions were available each year and all positions were filled each year. A total of 120 school systems, private schools and private Early Childhood Services operators acted as employers each year. The two year cost to government and employing school boards (including intern salaries, professional development, evaluation and administration) was about $26 million.

Interns worked and gained experience at all grade levels and in all subject areas. A majority also gained skills in supervising extra- and co-curricular activities, and team teaching. They also tried small-group and individual instruction. Interns took on more responsibility for instruction as their year progressed and contributed as coaches, computer instructors, and choir masters. They seemed to encourage the school staffs with whom they worked.

Interns received informal coaching from supervisors and professional development on many topics. All interns were oriented to their school jurisdiction and to the Alberta Teachers' Association. Most were offered contracts after the first year of the project, but fewer expected to find employment following the second year.

NATIVE EDUCATION PROJECT

Report of the Director

In March 1987, the Minister of Education announced a provincial Native education policy.

To implement the policy and help jurisdictions address the needs of Native students, the Minister allocated $4 million to Native education. The funds are to support local Native education projects in 56 school jurisdictions across the province. These projects will involve Native parents and try to improve Native student attendance and achievement.

During 1986-87, the Native Education Project improved opportunities for Native students to get a high quality of education. One major focus was printing basic resources for all students in Alberta which tell about Native people and their culture. Two of nine planned resources were printed. These books dealt with topics in social studies Grades 1 to 7 and junior high school art.

A second major focus was on pilot Native education projects in eight school jurisdictions. These projects involved home-school liaison workers, tutor programs, and Native language instruction. Grants supported direct services to Native students and to other students wishing to join in the programs.

Project staff reviewed print and non-print Native resources to assure they represent Native people fairly and without bias or prejudice. All schools in Alberta received a Native Library Resources Catalogue.

DIVISION OF PROGRAM DELIVERY

Report of the Assistant Deputy Minister

The Assistant Deputy Minister of Program Delivery oversees and coordinates the operations of eight branches. This includes five Regional Offices of Education in Grande Prairie, Edmonton, Red Deer, Calgary and Lethbridge, and the Alberta Correspondence School. It also includes the Education Response Centres (which operates the Alberta School for the Deaf), and the Support Programs Branch. Support Programs operates the Educational Opportunities Fund, School Food Services, Educational Exchange, Community Schools and School Extension.

The division implements programs from Early Childhood Services through Grade 12. It provides administration, consulting, evaluation and planning services which support educational programs and direct services to students.

The Assistant Deputy Minister works with the Minister, Deputy Minister and other assistant deputy ministers in developing policy. During 1986-87, this included managing budget reductions, reorganizing the department and helping school boards budget for reduced funding in 1987-88.

During 1986-87, the Assistant Deputy Minister refined and managed the special education contingency fund. He supervised the operations of the Northland School Division and two major studies on the Alberta Correspondence School. He helped in the transition of the Educational Opportunities Fund (Compensatory) to Native Education, and handled the Expo '86 transportation fund. The Assistant Deputy Minister also organized and enhanced the computer services of the division, and set up the Education Response Centres. He developed interim solutions and plans for long-term solutions in the areas of private schools and home schooling. He refined monitoring steps and the Monitoring Handbook and achieved interim solutions to problems in several school jurisdictions. The Assistant Deputy Minister also handled complaints, investigations and field activities.

Through the regional offices, the division monitored and evaluated schools and school systems. The division helped carry out the Management and Finance Plan, and looked into school closures. Through the Education Response Centres, the division supplied brokerage services for and seminars on special education. Through the Alberta Correspondence School, the division provided over 60,000 courses to over 40,000 students. Though Support Programs, the division provided several services. These included cultural exchanges, programs for the disadvantaged, lunches for northern school children and adult upgrading programs.

GRANDE PRAIRIE REGIONAL OFFICE OF EDUCATION

Report of the Director

The Grande Prairie Regional Office provides support services to all public and private school jurisdictions in Zone 1. Services relate to delivering educational programs to students in Early Childhood Services through Grade 12. They include consulting, inservice, training, certification and approval of programs. They also include monitoring and assessing programs and services. The regional office makes sure that systems follow provincial policies, guidelines and procedures. The Learning Assistance Centre assesses each student with special needs and consults with parents and teachers to remedy these needs.

Surveys, investigations, evaluations and implementation activities were completed on a regular basis during 1986-87. Evaluations were done in six schools. Program evaluations were conducted in the areas of elementary music, special education, and school and central office administration. Staff helped with 15 district-managed evaluations at the system, school and program level. Inservice programs in art, science, mathematics, guidance, language arts, social studies, music, special education, Early Childhood Services and student evaluation were conducted. Seventeen private schools and 14 private Early Childhood Services operators were supervised. Three teachers were evaluated for certification purposes. Three new private schools were approved, two public schools were closed and 11 separate school districts were formed in the zone.

One initiative was monitoring special needs programs. All regional office staff were involved in providing information on policies, procedures and guidelines, certifying program performance and monitoring programs. A total of 228 grant applications were processed for 14 special needs programs and about one-third of the programs were monitored. Staff monitored implementation of teacher and student evaluation policies in six districts.

A new focus this year was setting up a climate of restraint in Zone 1. The Conference of Alberta School Superintendents and Association of School Business Officials of Alberta both supported this. Mechanisms for monitoring the effects of system restraint measures were developed and partly implemented.

Other activities during 1986-87 were:

- helping the Student Evaluation Branch in developing, administering and scoring achievement tests and diploma examinations;

- helping the Curriculum Branch in curriculum development, including piloting in the subject areas of art, music, French and language arts;
- helping with forums for the Secondary Program Review;
- chairing Secondary Program Review committees;
- monitoring the implementation of new and revised curricula;
- helping jurisdictions with implementing student, teacher, program, school and system evaluation policies and procedures.

EDMONTON REGIONAL OFFICE OF EDUCATION

Report of the Director

The Edmonton Regional Office assists 57 school jurisdictions, 84 Early Childhood Services operators, and 61 private schools in Zones 2 and 3. This help relates to developing policies and implementing programs consistent with provincial policies and guidelines. Staff provide consulting and information to the educational community about policies and directions. This includes information on how to access available funding. Solving problems of students and parents continues to be an active role. The office also informs Alberta Education officials about the impact of programs and policies on the quality of education in its area.

To give better service to clients, the management staff of the Edmonton Regional Office was reorganized into two teams during 1986-87. One team serves Zone 2 and the other serves Zone 3. As well, each consultant took on a major liaison role with specific school jurisdictions. This promoted better communication networks with school systems.

Accreditation activities during 1986-87 included approving about 950 elementary and secondary school program plans. Several private school applications were received, processed, and approved. Grants amounting to $55 million, for over 12 special program needs areas, were processed. Enrollment audits and resident pupil reconciliations were conducted in selected jurisdictions.

The second year of systematic monitoring was undertaken in school jurisdictions, private schools and private Early Childhood Services operators. Monitoring covered special needs programs, provincial evaluation policies, Alberta Education projects and the Building Quality Restoration Program. A summary report of monitoring activities of the Edmonton Regional Office was planned for release in July 1987. Findings will provide a base for assigning consulting, evaluating, and monitoring resources of the office for next term.

Annual inspection reports were prepared on 61 private schools. Forty-nine teachers in private schools were evaluated for certification reasons. Evaluations continued to move toward offering leadership and helping local jurisdictions meet their responsibilities in school, program, and system evaluations. Each jurisdiction conducted some type of evaluation. The role of the regional office varied according to the needs of the school system. Some evaluations were conducted by the regional office, and some were co-chaired with a school system. Others were chaired by the school system with regional office staff acting as evaluators or advisors. These evaluation activities measured how well school systems achieved their goals and objectives and with what results. The office coordinated the evaluation of 10 community schools, one private school, two jurisdiction schools, and two private Early Childhood Services operators.

There were 19 district-wide program evaluations covering curriculum, teacher aides, technology, superintendent services, small schools and facilities. Staff also completed one system evaluation. Consultants served as team members on many evaluations conducted by school jurisdictions.

Staff served on policy, planning, curriculum and evaluation committees of Alberta Education. As well, staff belong to provincial, interprovincial and international associations and councils. The staff supplied leadership through many meetings and seminars. These included Conference of Alberta School Superintendents, principals' associations, curriculum supervisors, private school and Early Childhood Services operators, and trustees associations.

RED DEER REGIONAL OFFICE OF EDUCATION

Report of the Director

The Red Deer Regional Office assists 21 public and separate school boards, 29 private schools, and 67 private Early Childhood Services operators. These groups deliver educational programs and services to 39,000 students in Zone 4.

The regional office monitors and evaluates systems, schools and programs. It consults and informs school jurisdictions on carrying out programs and services and helps the public. Staff develop programs and services for use in schools. Consultants give feedback and information for Alberta Education officials to use in the decision-making process. A major thrust of the past year was helping school jurisdictions deal with financial restraint.

Monitoring activities included approving 168 elementary and secondary school plans. Staff visited and prepared annual inspection reports for 29 private schools and 67 private Early Childhood Services operators. Two new private schools were recommended for approval. Eight school jurisdictions were monitored for school, program, teacher and student evaluation policies. Staff monitored an Academic-Occupational program in one school jurisdiction, and the vocational education program in two jurisdictions. Seven jurisdictions were monitored for Educational Opportunity Fund, teacher inservice grants, and school extension and special education programs. Two systems were monitored for English as a second language and four for program unit grants. Seven jurisdictions were monitored for buying and using computers through the Building Quality Restoration Program. Eight others were monitored for work experience programs. Three jurisdictions were monitored for home schooling programs and 16 others were monitored for the annual education reports.

All jurisdictions in Zone 4 were monitored for spending of the School Learning Resources Grant. School Foundation Program Fund enrollment counts in three jurisdictions were audited for accuracy. The regional office processed $15 million in grants for special needs programs. A report outlining monitoring results was planned for July 1987.

Staff carried out three total school evaluations, and helped school systems in doing 34 evaluations of their schools and programs. The office helped evaluate the community school component of a community school. Evaluation activities stressed leadership and providing help to jurisdictions in performing their own program, school and system evaluations in 1987-88. Developmental work involved designing new models for evaluation and identifying better guidelines for doing evaluations.

Some consultants helped develop senior high school diploma examinations and provincial achievement tests. Consultants chaired and served on several curriculum committees with special focus on the secondary education review. Staff also chaired and worked on committees developing resource materials in language arts, special education, Early Childhood Services and art. The office organized and conducted a workshop attended by 60 starting teachers from the zone. Leadership and information were given to educators in the zone through regional meetings of organizations. Groups included Conference of Alberta School Superintendents, the Supervisors' and Consultants' Organization, Private and Federal Schools Association, and Early Childhood Services coordinating committees.

CALGARY REGIONAL OFFICE OF EDUCATION

Report of the Director

The Calgary Regional Office serves 17 active school jurisdictions comprised of two counties, nine school divisions and six school districts. The office also serves 18 semi-active school districts. Within the zone there are 296 schools, 8,355 teachers, 17 central offices, 45 private schools, and 92 Early Childhood Services operators. The zone covers over 16,000 square miles with more than 128,000 resident pupils.

During 1986-87, the regional office stressed program monitoring, consulting, and evaluating results achieved by school authorities. It also replied to the public's many questions on a broad range of educational issues.

The School Business Administration Services Branch helped regional office staff conduct a School Foundation Program Fund count verification and urban transportation audit. Office staff also carried out the resident pupil count reconciliation. Staff were involved in reviewing boundaries in two school jurisdictions with the School Business Administration Services Branch.

During the year, 161 letters were prepared for the Minister's signature, an increase from the year before. Drafting these letters usually involved consulting with the writer, and with school board staff.

During 1986-87, the office monitored the elementary/junior high Building Quality Restoration Program and the senior high Business Education Equipment Upgrading Program. Eleven special needs programs were monitored as were the Initiation to Teaching Project, annual education reports and the Learning Resources project. Monitoring of the five provincial evaluation policies continued and was refined. On-site monitoring occurred in 17 jurisdictions, 144 public and separate schools, 87 private Early Childhood Services centres, and 38 private schools. Private school program monitoring included evaluating teachers for permanent teaching certificates.

The regional office produced a summary report of the monitoring process, activities, and findings. These findings were used to plan for the coming year's monitoring, evaluating, and implementing functions of the office.

Staff were active in evaluations and in helping local school jurisdictions to achieve their responsibility for evaluation. Thorough evaluations were carried out in seven schools, and follow-up evaluations took place in two schools. Six other schools had either a school program or a part of a school evaluated. Staff were involved in 36 out-of-zone program

evaluations. Out-of-zone provincial consultants and school jurisdiction staff helped the Calgary office in some of their school and program evaluations. This cooperation gave extra input on the extent of instructional program implementation in the zone and on the quality of instruction. The partnership evaluation role between regional office and school jurisdiction staff gave opportunities to help school jurisdictions improve their evaluation processes.

Other activities during 1986-87 included helping the Student Evaluation Branch develop and administer provincial achievement tests and diploma examinations. Staff reviewed provincial test administration procedures at the school level. Staff also helped the Program Development Division with curriculum development and piloting, and the secondary education review. Other tasks included helping with facility and site evaluations, answering questions on department procedures and regulations, and giving information to the public.

The regional office and the Conference of Alberta School Superintendents provided leadership through three joint meetings and a summer workshop. These events supplied educational leadership, inservice activities and information sharing to enhance the delivery of educational programs. The office also held two private school principals' meetings and several private Early Childhood Services operators' meetings.

About 330 elementary school program plans and over 230 secondary school program plans were reviewed and approved for school accreditation purposes. Much consulting and monitoring between office and school system administrators during the reviews resulted in better program delivery.

All staff served as program performance certifiers for the 32 provincial grants which needed certification. Two administrators were grant expenditure officers. The office continued to improve the system for processing grant claim forms. It began a written communication procedure for the status of grants applied for by school jurisdictions.

LETHBRIDGE REGIONAL OFFICE OF EDUCATION

Report of the Director

The Lethbridge Regional Office works with school jurisdictions and private schools in Zone 6 to assure implementation of policies, regulations and programs. It achieves this through evaluating schools and programs, and monitoring programs and policies. The office stresses consulting with school staff, and supporting functions of Alberta Education.

School evaluations and program evaluations received more attention in 1986-87. Staff worked with school systems and outside evaluators to complete 30 school evaluations and 14 program evaluations. The evaluations occurred for both public and private schools. Five other program evaluations were conducted by specialist consultants from Calgary Regional Office. These evaluations let school systems see results and improve educational opportunities for students. Regional staff evaluated teachers for permanent certification in private schools and Early Childhood Services centres.

Special needs programs and evaluation policies were monitored in school jurisdictions and private schools. Consultants visited school systems and schools to assess their adherence to provincial policies. Staff monitored the pupil enrollment count in an urban district, a town district and a private school.

Consulting services were supplied to staff in public and private schools on curriculum, testing, and program matters. Regional and school-based workshops focused on curriculum changes and explaining provincial test results. School staff were consulted often during school and program evaluations.

Consultants served on committees which reviewed provincial curriculum, achievement tests, diploma examinations, programs and policy. Administrative duties included approving elementary and secondary school program plans, reconciling resident pupil counts and processing grant claim forms. Regional office staff were involved in solving local issues at the request of local jurisdictions, senior education officials and the Minister.

ALBERTA CORRESPONDENCE SCHOOL

Report of the Director

Since 1923, the Alberta Correspondence School has supplied services to students when regular classroom instruction does not meet their educational needs. Part of the province's school system, the School offers flexible programs that meet the needs, interests and abilities of Albertans.

The Alberta Correspondence School develops and delivers correspondence courses for Grades 1 to 12 based on the Alberta curriculum. The School also provides beginning and special interest courses designed for adult students. The school delivers education at a distance by having the student submit finished lessons for correction and evaluation. Communication between teacher and student is mainly through written comments. However, more use is being made of audio tapes, videotapes, the telephone and computers.

The Alberta Correspondence School is in Barrhead. There is a small branch office (Edmonton Study Centre) in Edmonton.

Student Enrollment

About 40 per cent of students enrolled in correspondence courses attend a school and take correspondence courses in subjects not available locally. The school also serves adults who are working towards high school diplomas or taking courses to improve their general knowledge. Other correspondence students may have medical problems or may live in a remote area, overseas or in a place of detention.

During the 1986-87 school year, 31,332 new students studied 50,186 courses. This compares with 27,056 new students in 42,894 courses for the 1985-86 school year. The increase was 15.8 per cent in student totals and 17 per cent in course totals.

As well, 8,979 students who enrolled with the school before September 1986 continued work on 12,791 courses in 1986-87. About 393,000 lessons were sent to the Alberta Correspondence School for correcting during this period.

Program

Several new courses were developed and many courses were changed during the 1986-87 school year. Non-print media were added to some courses: over 60 courses now include audio tapes and 20 include laboratory kits. Videotapes are available for five subjects and computer-based programs are available for four courses.

Two videotape productions were finished in 1986-87. One introduces the school's services and another shows industrial education students how to change oil in an automobile.

Student Support Services

School staff in Barrhead and the Edmonton Study Centre met the challenge of continued demand for student services. About 30 per cent of all student registrations were processed through the Edmonton Study Centre. This office continues to handle most of the Edmonton and area telephone inquiries.

Student services given by the Alberta Correspondence School included academic counselling and diagnostic testing. The school evaluated out-of-province documents, oversaw final tests and issued result statements. An educational liaison program helped the School to stay in touch with students and educational institutions. The educational liaison officer travelled throughout Alberta in the fall of 1986 and spring of 1987 to meet with students and teachers.

Outreach Program

The school maintained its outreach program through a variety of ventures. Publications included infograms and updates for the Principal's Handbook, elementary and junior high student magazines, and the Provincial Distance Education Newsletter. The school gave student seminars for those planning to write provincial diploma examinations, and sent student status reports to school principals. Staff also judged the Rural Safety Essay competition sponsored by the Alberta Safety Council.

At the elementary level, special visiting days were held in Edmonton, Calgary and Peace River. These meetings were a chance for students and parents to meet their teachers and each other and to share ideas.

The most significant outreach program in 1986-87 was Symposium '87, a distance education conference organized by the Alberta Correspondence School. The Symposium will happen in July 1987 on the University of Alberta campus and will bring 199 delegates from 19 countries. It will provide a rare opportunity for educators involved in distance education at the school level to share ideas.

EDUCATION RESPONSE CENTRES (SPECIAL EDUCATION)

Report of the Executive Director

The Education Response Centres (a provincial office and two regional offices) were set up in 1986-87. The provincial and northern regional offices are in the Alberta School for the Deaf in Edmonton. The southern regional office is in the Emily Follensbee Centre in Calgary. The centres work with parents, education groups and the public to supply programs and services that meet the needs of special students.

The Education Response Centres provide services in four distinct areas:
- technical and network services
- training and materials management
- student support services
- demonstration, research and development.

Special education functions include the following:
- negotiating contracts for assessing and consulting services for sensory-handicapped children
- managing Material Resource Centres for teachers of visually impaired and blind students
- negotiating contracts to deliver services to young offenders
- providing leadership and guidance counselling
- operating the Alberta School for the Deaf
- developing and reviewing special education policies, guidelines and procedures
- coordinating the special education placement appeal committee
- helping on committees for Early Childhood Services special needs children.

A four-year plan was identified for the Southern Alberta Response Centre.

The clinical and treatment services unit offered a Miniseries on Hearing Impairment, Health Information, Helping Reduce the Isolation of the Student with Special Needs, and Child Sexual Abuse. The clinical unit transferred to the Alberta School for the Deaf.

The training and materials management unit provides a series of inservice training programs held throughout Alberta. Courses included a miniseries assisting students with hearing impairments, and educating the visually impaired child. Others covered health information for professionals working with children with special needs, and altering school and home environments. Non-violent crisis intervention and child sexual abuse prevention were other topics.

During 1986-87, the Materials Resource Centre and the Learning Assistance Centre were integrated into the Northern Alberta Response Centre. A program involving the Materials Resource Centre and the Student Evaluation Branch produced specially formatted diploma examinations for print-handicapped students.

The Response Centres developed an electronic data processing plan for the Communications Network System. One key element is the Response Line Service. This 24 hour service gives regular updated information through the Automated Message Library. Messages include the names of organizations, associations or societies, their functions and other information on special education. Information is available by calling toll free or zenith numbers. This service will be available in the spring of 1988.

SUPPORT PROGRAMS BRANCH

Report of the Director

The Support Programs Branch implements policies and administers programs designed to support educational activities in Alberta schools. Major branch programs include the compensatory component of the Educational Opportunities Fund, Educational Exchange, Community Schools, and School Food Services.

Educational Opportunities Fund Compensatory Program

The Educational Opportunities Fund Compensatory Program is directed to disadvantaged students in selected areas of Alberta. District wealth and degree of educational disadvantage in the jurisdiction decides eligibility for funding. In 1986-87, this program operated in 41 school jurisdictions.

Six large and five small urban jurisdictions ran compensatory educational programs to meet the special needs of Native students in urban settings.

Education Exchange

The education exchange program provides opportunities to expand student educational programs and increase teachers' professional competence through exchange experiences.

During 1986-87, 84 Alberta high school students and 84 students from Quebec were involved in an annual exchange program. The exchange period in each province was 13 weeks. As well, 64 Alberta high school students had a similar exchange with students from West Germany. Fifteen Alberta high school

students attended an Interchange on Canadian Studies conference in Brandon, Manitoba.

Project Canada, a twinning program which pairs Ontario classrooms with classrooms in other provinces, involved 86 Alberta classrooms. Ninety-five Alberta classrooms were twinned with classrooms in Quebec. The schools exchange information and materials.

A total of 38 teacher exchanges were arranged with the United Kingdom, the United States, Australia, West Germany, Ontario and Nova Scotia. Alberta teachers who wished to participate in European Summer Seminars for Educators were given help in making contacts and completing arrangements.

The branch arranges educational exchanges with Hokkaido in Japan, Kangwon-Do in South Korea, and Heilongjiang in China. Alberta has special relationships with these three Asian provinces. The major exchange activity during this period was in school twinning. Eight Alberta schools were twinned with Hokkaido, three with schools in Kangwon-Do and six with Heilongjiang.

Community Schools

The Community School Program, through the cooperation of four government departments, coordinates initiatives in community schools and community education. Its major focus is to carry out the Alberta Community School Program which promotes community school development in receptive communities. In 1986-87 there were 66 designated community schools in Alberta.

School Food Services

School Food Services is responsible for supplying up to 3,000 lunches each school day in 29 communities in northern Alberta. These lunches provide from one-third to one-half of the students' daily nutritional needs. Each community's lunch program is a joint effort by School Food Services and a local incorporated society from the community.

During 1986-87, over 552,000 lunches were supplied. Sixty-three part-time kitchen staff worked 57,500 hours. As part of the program, 29 part-time bookkeepers were hired to distribute and record the funds. About 170 locally elected and non-remunerated board members were involved in administering the overall program.

DIVISION OF FINANCE AND ADMINISTRATION

Report of the Assistant Deputy Minister

The Assistant Deputy Minister of Finance and Administration directs financial and administrative services which support Alberta Education programs. This involves the financial administration of the department's operational and capital budget, including over $1 billion in financial help to schools. It also includes general management and operation of five branches. Branches are Financial and Administrative Services, School Business Administration Services, School Buildings Services, Personnel Administration Services and the Learning Resources Distributing Centre.

In 1986-87, the department and the division faced the challenge of managing fiscal restraint. The division played a vital role in achieving departmental hiring and expenditure reductions. The division also implemented an appeal process for the funding of essential school construction projects. This became necessary because the government approved a freeze on capital spending in November 1986.

In response to a changing economic environment, the division directed the developing of the 1987-88 budget. This involved an unique approach to developing and sharing ideas and plans. Extensive discussions were held with school board officials in December 1986 to discuss the budget deficit. Officials at the meetings sought advice about expenditure reductions, and reviewed priorities in education. Throughout February 1987, jurisdictions and the department took part in regional seminars on fiscal restraint management.

In 1986-87, division staff helped in reviewing the School Act and drafting a new Act. The division participated by giving input and advice on the sections related to finance, facilities, and operation of school districts. The division also led the development of a discussion paper on "Equity in Education Financing."

The division continued to give leadership and direction in the financing of education. A major activity was developing a proposal to redirect government cost savings on the shielding of interest on school board debentures. The savings were reallocated as an unconditional per pupil grant to school boards. The division also played a direct role in developing a special education equity grant. This grant addresses the uneven distribution of severely handicapped pupils in Alberta. The division was responsible for improving financial management and administration practices within the department. The division helped school jurisdictions with the optional implementation of the school fiscal year change in 1986-87. More improvements were made to the School Grants Manual. Grant application forms were simplified to support the Management and Finance Plan. Policies, guidelines and procedures for confirming enrollments and transportation grants were carried out. The Internal Control Unit became fully operational.

The division continued to manage and administer the 1984-88 school capital funding plan, subject to government restraint measures. Staff processed capital submissions and inspected construction projects and started or completed several major studies. These studies covered alternatives to capital funding, a midterm capital plan review, and developing a school facilities data base.

The division helped in administering, managing and operating school jurisdictions. The division conducted or participated in boundary reviews in the Starland and Bow Corridor/Ranchlands areas. Finance and Administration staff were active in community school evaluations, transportation reviews and audits of special needs programs. The division also continued to cooperate on major reviews relating to the County Act and the Lloydminster Charter.

During 1986-87, the division gave input, advice and support to other branches of Alberta Education. Staff were involved in secondary education program changes, the four-year plan for Alberta Education, developing core values and the department reorganization. The division continued to show leadership and direction in human resource management by developing policy for a framework for the Women's Program.

During 1986-87, the old School Book Branch became the new Learning Resources Distributing Centre. The change involved more emphasis on improving customer and client services and relations. The Centre launched a visual identification program and introduced a new Buyers' Guide. The Centre had many changes in organization, management and operations, including a move to a new location.

SCHOOL BUSINESS ADMINISTRATION SERVICES BRANCH

Report of the Director

The School Business Administration Services Branch supports educational groups and government departments on financial and administrative matters. One of its many services includes monitoring administrative and fiscal activities of school boards. Another is maintaining effective working relationships with the boards. Services also include helping in developing statutes,

regulations and policies for the financial and administrative practices of school jurisdictions. The branch plays a vital role in informing, consulting, and advising local school authorities about these statutes and regulations.

The director coordinates the activities of field administrative officers and internal administration staff. Field officers implement regulations for capital and operational financing, and process boundary changes. They also help in setting up school districts. Other field activities include arbitrating disputes on financial, legal and administrative matters when asked by the department or the Minister.

In 1986-87, the branch reviewed boundaries in various locations in the province and aided the implementation of the school fiscal year change. It also conducted financial and analytical studies of selected school jurisdictions. Staff represented the branch on the County Act Review, Alberta Assessment Equalization Board, Lloydminster Charter Committee and several other committees.

Branch staff monitored and examined the budgets and financial statements of school authorities. This included private schools and Early Childhood Services operators. Agreements, debentures and short-term capital loans were approved and processed for school authorities across the province.

Community school reviews, pupil transportation reviews and studies, and audits of special needs programs were conducted. Staff also reviewed electoral boundaries in several zones.

The branch provides consulting, advisory and support services on many business matters. Staff gave courses on financial and administrative management with the University of Alberta at the Alberta School Business Administration Officials Short Course. Members of the branch provided financial and administrative advice to Early Childhood Services executives at workshops in all zones. The branch helps school authorities, education groups and the general public interpret and apply a variety of regulations. These include provincial statutes, regulations, orders, policies and guidelines governing financial or administrative operations of school authorities.

TABLE F
School Districts

	85-86	86-87
Number of School Districts Established During the Year	37	54
Number of School Districts Dissolved During the Year	32	62
Number of School Districts in the Province including Units in Consolidated School Districts	4,369	4,361
Number of Regional School Districts in the Province	1	1
Number of Consolidated School Districts in the Province	2	2
Number of School Districts in Consolidated School Districts	7	7
Number of School Divisions and Countries in Existence	60	60

TABLE F - School Districts (Cont'd)

Established During Year July 1, 1986 to June 30, 1987

District	Number	Date of Establishment
Tinchebray	RCSSD No. 243	July 18, 1986
Cottage Lake	RCSSD No. 244	August 5, 1986
Elmworth	RCSSD No. 246	August 21, 1986
Cariboo	RCSSD No. 245	August 21, 1986
Currie	RCSSD No. 247	September 8, 1986
Percy	RCSSD No. 249	September 25, 1986
Lucky Tree	RCSSD No. 253	October 30, 1986
Clover Valley	RCSSD No. 250	October 30, 1986
Elk Park	RCSSD No. 251	October 30, 1986
Edison	RCSSD No. 252	October 30, 1986
Castle	RCSSD No. 248	November 16, 1986
Torun	RCSSD No. 254	November 19, 1986
Chin	RCSSD No. 256	November 19, 1986
Burnwell	RCSSD No. 255	November 19, 1986
Cotswold	RCSSD No. 258	November 25, 1986
Flying Shot	RCSSD No. 257	November 25, 1986
Muir Lake	RCSSD No. 260	December 4, 1986
Stirling	RCSSD No. 261	December 4, 1986
Sunny Bank	RCSSD No. 263	December 4, 1986
Hazel Bluff	RCSSD No. 262	December 4, 1986
Ghost River	SD No. 5548	December 17, 1986
Burnt Timber	SD No. 5549	December 17, 1986
Wabash	RCSSD No. 259	December 17, 1986
Elcan	RCSSD No. 264	December 22, 1986
Twelve Mile Coulee	RCSSD No. 265	December 22, 1986
Vermilion Springs	RCSSD No. 266	January 7, 1986
Arvilla	RCSSD No. 267	January 21, 1987
New Yarrow	RCSSD No. 276	April 27, 1987
Pincher City	RCSSD No. 275	April 27, 1987
Robert Kerr	RCSSD No. 274	April 27, 1987
Marr	RCSSD No. 273	April 27, 1987
Halifax	RCSSD No. 272	April 27, 1987
Crook	RCSSD No. 271	April 27, 1987
Cyr	RCSSD No. 270	April 27, 1987
Twin Butte	RCSSD No. 269	April 27, 1987
Chipman Creek	RCSSD No. 268	April 27, 1987
Battle Height	RCSSD No. 277	May 4, 1987
Heath	RCSSD No. 278	May 4, 1987
Trafalgar	RCSSD No. 279	May 4, 1987
Ascot	RCSSD No. 280	May 4, 1987
Greenshields	RCSSD No. 281	May 4, 1987
Plaxtonville	RCSSD No. 282	May 4, 1987
Pedley	RCSSD No. 283	May 12, 1987
Coalfields	RCSSD No. 284	June 2, 1987
Drywood	RCSSD No. 285	June 2, 1987
Beauvais Lake	RCSSD No. 286	June 2, 1987
Ashvale	RCSSD No. 287	June 2, 1987
Fishburn	RCSSD No. 288	June 2, 1987
Hillsboro	RCSSD No. 289	June 2, 1987
East Kleskun	RCSSD No. 290	June 2, 1987
Canor	RCSSD No. 291	June 2, 1987
Chatham	RCSSD No. 292	June 2, 1987
Canuck	RCSSD No. 293	June 2, 1987
Bezanson	RCSSD No. 294	June 2, 1987

Dissolved During Year July 1, 1986 to June 30, 1987

District	Number	Date of Establishment
Dell	RCSSD No. 152	July 24, 1986
Dunvegan	RCSSD No. 205	July 24, 1986
Dell	SD No. 4936	July 24, 1986
Dunvegan	SD No. 3663	July 24, 1986
Lake Mere	SD No. 2402	July 22, 1986
Garden Valley	SD No. 2887	July 22, 1986
Stony Plain Centre	SD No. 381	July 22, 1986
Lake Mere	RCSSD No. 222	July 22, 1986
Garden Valley	RCSSD No. 236	July 22, 1986
Stony Plain Centre	RCSSD No. 237	July 22, 1986
Hardindell	RCSSD No. 240	July 31, 1986
Frisco	RCSSD No. 241	July 31, 1986
Clearwater River	RCSSD No. 242	July 31, 1986
Good Hope	RCSSD No. 207	August 19, 1986
Ypres Valley	RCSSD No. 208	August 19, 1986
Agricola	RCSSD No. 209	August 19, 1986
Manning	SD No. 4596	September 10, 1986
Grimshaw	SD No. 4523	September 10, 1986
Nampa	SD No. 4378	September 10, 1986
Manning	RCSSD No. 37	September 10, 1986
Grimshaw	RCSSD No. 88	September 10, 1986
Nampa	RCSSD No. 96	September 10, 1986
Frisco	SD No. 3513	September 12, 1986
Clearwater River	SD No. 4179	September 12, 1986

TABLE F - School Districts (Cont'd)

Hardindell	SD No. 4332	September 12, 1986
Agricola	SD No. 246	September 17, 1986
Good Hope	SD No. 660	September 17, 1986
Ypres Valley	SD No. 3952	September 17, 1986
Cabiboo	SD No. 3573	September 23, 1986
Elmworth	SD No. 3791	September 23, 1986
Cariboo	RCSSD No. 245	September 23, 1986
Elmworth	RCSSD No. 246	September 23, 1986
Ideal	RCSSD No. 217	October 2, 1986
Ridge Park	RCSSD No. 219	October 2, 1986
Victory	RCSSD No. 221	October 2, 1986
Ideal	SD No. 3607	November 16, 1986
Ridge Park	SD No. 3116	November 16, 1986
Victory	SD No. 3708	November 16, 1986
Torun	SD No. 4483	December 22, 1986
Torun	RCSSD No. 254	December 22, 1986
Clairmont Lake	SD No. 3303	December 22, 1986
Clairmont Lake	RCSSD No. 170	December 22, 1986
Currie	SD No. 3637	December 22, 1986
Currie	RCSSD No. 247	December 22, 1986
Percy	SD No. 3031	December 22, 1986
Lucky Tree	SD No. 4945	December 22, 1986
Flying Shot	SD No. 3399	December 22, 1986
Percy	RCSSD No. 249	December 22, 1986
Lucky Tree	RCSSD No. 253	December 22, 1986
Flying Shot	RCSSD No. 257	December 22, 1986
Neidpath	RCSSD No. 238	January 7, 1987
Barnwell	RCSSD No. 255	January 7, 1987
Chin	RCSSD No. 256	January 7, 1987
Clover Valley	RCSSD No. 250	January 7, 1987
Elk Park	RCSSD No. 251	January 21, 1987
Edison	RCSSD No. 252	January 21, 1987
Cotswold	RCSSD No. 258	January 21, 1987
Wabash	RCSSD No. 259	January 21, 1987
Hazel Bluff	RCSSD No. 262	January 21, 1987
Sunny Bank	RCSSD No. 263	January 21, 1987
Cottage Lake	RCSSD No. 244	February 16, 1987
Cottage Lake	SD No. 4231	March 12, 1987

SCHOOL BUILDINGS SERVICES BRANCH

Report of the Director

The School Buildings Services Branch helps school boards with the planning and process aspects in constructing, modernizing and restoring school facilities. It also administers the School Buildings Act, Tendering Regulation, School Buildings Regulation and Funding Order, and related programs.

In 1986-87, 85 new construction items, 247 modernization items and 708 Building Quality Restoration Program items were reviewed and processed. The branch inspected 1,655 new construction, modernization and building restoration projects.

Branch staff met with 44 school boards at the Alberta School Trustees' Association convention to discuss and review concerns about facilities. A special focus was the capital restraint program. Staff members also were involved in many meetings with groups and school boards to discuss administrative and capital program planning and procedures. The branch completed 82 school evaluations, many of which were carried out with the regional offices. Many technical reports on schools were sent to respective school boards to help them in their planning.

As part of the Project Space Program, new school floor plans were drawn and existing plans were updated on a regular basis. Current plans were then available to all school boards.

The branch initiated or completed the following reports and studies related to school facilities. Some of these were Alternate Funding, School Buildings Services Information Needs Assessment and Network, and Mid-Term Capital Plan Review. The D.M.R. Study for Information Systems, and Implemented Office Automation and Computer Data Bases were others. Studies also included the Preventive Maintenance Manual, Modernization Design Guidelines, Energy Management Guidelines, Energy Project (Phase III), and E.C.R.B. Applications and Evaluations. Boundary Review, Lloydminster Charter Review, School Capital Alternatives, and McKay Avenue Modernization complete the list of studies.

The branch administered an energy conservation program and completed a number of energy conservation projects in school jurisdictions in the province.

Plaques and/or coats of arms and flags were sent to 51 official school opening ceremonies. Branch staff often represented the department.

Staff planned and made presentations on school facilities to the Council of Educational Facility Planners' international, regional and chapter conferences.

TABLE G
New Construction Projects Tendered
April 1, 1986-March 31, 1987

Jurisdiction	Project Name	Date of Tender	m^2	Basic Tender Cost - $	Pro-Rated Tender Cost - $	Pro-Rated Cost Per m^2 - $	Capacity
Ft. McMurray S. Dist. #2833	Timberlea Expanded Core School	Apr. 2/86	3,755.00	4,131,300	4,316,382	1,149.50	340
St. Albert S. Dist. #3	Father Jan Addition	Apr. 16/86	56.47	35,300	36,881	653.11	-0-
Spirit River S. Div. #47	Rycroft Addition	Apr. 16/86	471.39	382,831	399,982	848.52	-0-
Lethbridge S. Dist. #51	Gilbert Patterson Addition	May 6/86	38.83	23,448	24,498	630.90	-0-
Lethbridge S. Dist. #51	Winston Churchill Addition	May 6/86	60.35	31,410	32,817	543.78	-0-
High Prairie S. Div. #48	High Prairie Elem. Addition	May 6/86	513.08	507,793	530,543	1,034.04	100
Northland S. Div. #61	St. Theresa Addition	May 9/86	712.00	956,340	999,184	1,403.35	125
Mt. Rundle S. Div. #64	Canmore 2 Core Portables	May 12/86	222.44	142,762	149,157	670.55	50
Grande Prairie S. Dist. #2357	Grande Prairie Comp. High Addition	May 12/86	866.59	742,688	775,940	895.39	20
Northland S. Div. #61	J.F. Dion Addition	May 13/86	615.02	803,600	839,601	1,365.16	-0-
County of Parkland #31	Broxton Park Addition	May 21/86	184.18	172,342	180,063	977.65	20
County of Vermilion River #24	E.H. Walter Addition	May 27/86	428.22	389,188	406,623	949.57	75
Cypress S. Div. #4	Schuler Addition	June 10/86	48.40	75,940	79,342	1,639.30	-0-
Cypress S. Div. #4	New Hilda Addition	June 10/86	46.38	63,863	66,724	1,438.64	-0-
County of Beaver #9	Holden Addition	June 11/86	191.50	169,686	177,288	925.79	-0-
County of Beaver #9	Holden 6 Core Portables	June 11/86	600.00	332,514	347,411	579.02	150
County of Smoky Lake#13	H.A. Kostash Addition	June 12/86	495.43	379,948	396,969	801.26	50
Foothills S. Div. #38	Turner Valley Addition	June 13/86	524.18	588,800	615,178	1,173.60	25
Edmonton RCSSD #7	St. Clement Jr. High Addition	June 18/86	747.72	579,185	605,133	809.30	125
Edmonton RCSSD #7	St. Phillips Addition	June 18/86	386.46	365,460	381,832	988.02	-0-
Edmonton RCSSD #7	St. Phillips Connecting Corridor	June 18/86	38.51	22,431	23,436	608.57	-0-
Ft. Vermilion S. Div. #52	La Crete 8x8 Core School	June 19/86	2,980.00	3,812,000	3,982,778	1,336.50	305
Leduc S. Dist. #297	East Elem. Addition	June 20/86	31.88	48,494	50,667	1,589.30	-0-
Provost S. Div. #33	Provost Addition	June 26/86	683.75	690,000	720,912	1,054.35	100
Provost S. Div. #33	Hughenden Addition	June 26/86	974.62	893,000	933,006	957.30	70
Calgary RCSSD #1	15 Core Portables	July 2/86	1,366.20	698,210	729,490	533.96	375
Calgary RCSSD #1	St. Bede Connecting Corridor	July 2/86	12.00	4,200	4,388	365.67	-0-
Pincher Creek RCSSD #18	St. Michaels Addition	July 8/86	281.26	233,500	243,961	867.39	50
Devon S. Dist. #4972	Robina Baker Addition	July 8/86	602.05	486,500	508,295	844.27	25
County of Flagstaff #29	Hardisty Addition	July 8/86	789.84	882,341	921,870	1,197.48	50
Red Deer S. Dist. #104	G. W. Smith Addition	July 9/86	381.10	373,152	389,870	1,023.01	75
Red Deer S. Dist. #104	Mountainview Addition	July 9/86	1,408.44	1,501,379	1,568,641	1,113.74	150
Willow Creek S. Div. #28	H.T. Coutts Elem./Jr. High Core School	July 10/86	4,000.00	3,494,591	3,651,148	912.79	395
Calgary S. Dist. #19	Bowness Sr. High Addition	July 10/86	1,545.54	1,140,708	1,191,812	771.13	-0-
Medicine Hat S. Dist. #76	Vincent Massey Addition	July 14/86	79.05	54,220	56,649	716.62	-0-
Lakeland RCSSD #150	Ecole Dr. Bernard Brosseau Core School	July 15/86	4,083.67	3,928,000	4,103,974	1,004.97	460
Red Deer S. Dist. #104	Lindsay Thurber High Addition	July 24/86	148.25	114,803	119,946	809.08	-0-
Lakeland S. Dist. #5460	H.E. Bourgoin 4 Core Portables	July 28/86	416.61	265,000	276,872	664.58	100
County of St. Paul #19	Heinsburg Addition	Aug. 1/86	635.53	636,532	665,048	1,046.45	70
East Smoky S. Div. #54	Harry Gray Elem. Addition	Aug. 8/86	17.27	12,900	13,478	780.43	-0-

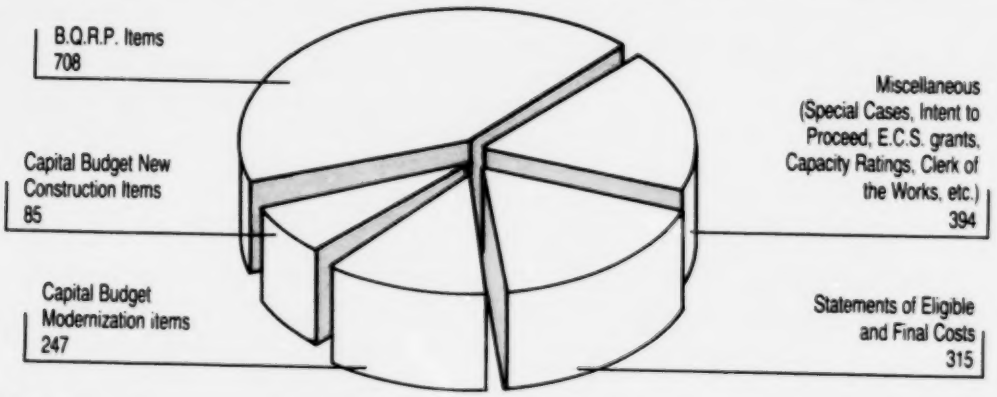
TABLE G - New Construction (Cont'd.)

Calgary RCSSD #1	St. Stephens Addition	Aug. 15/86	285.93	242,846	253,725	887.37	50
County of Forty Mile #8	Foremost Addition	Aug. 18/86	751.69	709,609	741,400	986.31	30
Westlock S. Div. #37	Busby Addition	Sept. 2/86	111.68	90,265	94,309	844.46	-0-
Westlock S. Div. #37	Busby Portable Gym	Sept. 2/86	372.75	323,314	337,798	906.23	-0-
Lakeland S. Dist. #5460	Ardmore Addition	Sept. 9/86	651.08	825,000	861,960	1,323.89	-0-
Calgary S. Dist. #19	James Fowler 6 Core Portables	Sept. 23/86	619.91	407,000	425,234	685.86	150
Lloydminster S. Div.	Rendall Park Core School	Sept. 23/86	3,590.11	3,597,654	3,758,829	1,047.00	495
County of Parkland #31	Drayton Valley Elem. "B" Addition	Sept. 25/86	694.15	580,000	605,984	872.99	100
Lethbridge S. Dist. #51	Lethbridge Collegiate Inst. Addition	Sept. 29/86	1,133.88	1,095,208	1,144,274	1,009.17	60
County of Strathcona #20	Clover Bar Jr. High Addition	Sept. 29/86	271.48	278,705	291,191	1,072.61	50
Medicine Hat RCSSD #21	Southridge Core School	Sept. 30/86	1,198.12	1,148,684	1,200,145	1,001.69	75
County of Lamont #30	Lamont Elem. Addition	Oct. 1/86	1,143.35	1,358,800	1,419,674	983.60	225
County of Mountain View #17	Didsbury Jr. High Exp. 8x8 Core School	Oct. 15/86	4,145.62	4,186,027	4,373,561	1,054.98	335
Ft. Vermilion S. Div. #52	Rocky Lane Addition	Oct. 17/86	511.91	715,000	747,032	1,459.30	-0-
Westlock S. Div. #37	Westlock Jr. High Addition (Eastglen)	Nov. 3/86	1,549.50	1,369,440	1,430,791	923.39	250
County of Grande Prairie #1	Harry Balfour Addition	Nov. 20/86	1,745.19	1,493,519	1,560,428	894.13	175
County of Grande Prairie #1	Harry Balfour 2 Core Portables	Nov. 20/86	190.15	119,573	124,930	657.01	50
Lloydminster RCSSD #89	Father Gorman Addition	Nov. 21/86	836.12	779,647	814,575	974.23	150
County of Stettler #6	Waverly Addition	Dec. 19/86	504.50	432,480	451,856	895.65	-0-
St. Albert PSSD #6	Bellerose Comp. High School	Jan. 2/87	10,483.82	10,164,200	10,619,556	1,012.95	825
Stettler S. Dist. #1475	Stettler Jr. High Addition and Fire Replacement	Jan. 28/87	4,018.38	5,043,253	5,269,191	1,311.27	405
County of Newell #4	Tilley Addition	Feb. 23/87	54.76	25,886	27,046	493.90	-0-
County of Strathcona #20	Ft. Saskatchewan High School Fire Replacement	Mar. 12/87	2,276.33	1,872,749	1,950,280	856.77	300
Totals					**70,021,558**		**7,030**

TABLE H
New Construction Schemes Other Than by Public Tender
April 1, 1986-March 31, 1987

Jurisdiction	School Name	New	Add.	Port.	Description	Date	Tender Scheme Area - m²	Gross Cost - $	Estimated Cap.
Calgary S. Dist. #19	Patrick Airlie Addition		•		Add'n. of Non-inst. Areas	Feb. 28/86	148.38	198,720	-0-
County of Two Hills #21	Two Hills High Addition		•		9 CR, 2 BSE, Beauty Culture, etc.	Apr. 25/86	3,147.18	1,692,521	320
County of Ponoka #3	Bluffton Addition		•		Add'n. of Library and Ancillary, etc.	May 13/86	245.91	196,350	25
Wainwright RCSSD #31	Blessed Sacrament Addition		•		Add'n. of Reading Room, Prin. Office, etc.	June 6/86	108.00	122,700	-0-
Brooks S. Dist. #2092	Brooks Primary Addition		•		Add'n. of Gym, etc.	June 20/86	569.85	450,000	-0-
County of Beaver #9	C.W. Sears 4 Core Portables			•	4 Dry Core Portables	July 2'86	482.54	427,500	100
Thibault RCPSD #35	George H. Primeau 2 Core Port.			•	2 Dry Core Portables	July 31/86	200.00	98,310	50
Rocky Mountain S. Div. #15	Leslieville Addition		•		Add'n. of Gym Storage	Aug. 8/86	60.00	45,300	-0-
Rocky Mountain S. Div. #15	Condor Addition		•		Add'n. of Admin. and Infirmary	Aug. 8/86	135.00	165,000	-0-
Rocky Mountain S. Div. #15	Pioneer Jr. High Addition		•		Add'n. of Storage Areas	Aug. 8/86	30.00	36,170	-0-
County of Minburn #27	Queen Elizabeth Addition		•		Add'n. of Portable Gym	Aug. 25/86	436.91	200,000	-0-
County of Ponoka #3	Ponoka Elem. (Brick) Addition		•		Add'n. of Circulation Area	Sept. 15/86	73.14	76,900	-0-
County of Parkland #31	Woodhaven 2 Core Portables			•	2 Dry Core Portables	Sept. 25/86	187.01	103,800	50
County of Barrhead #11	Neerlandia 3 Core Portables			•	3 Dry Core Portables	Oct. 23/86	337.76	232,400	75
Edmonton RCSSD #7	St. Maria Goretti 2 Core Portables			•	2 Dry Core Portables	Dec. 22/86	206.61	108,400	50
Stettler S. Dist. #1475	Stettler Sr. High Addition		•		Add'n. of 2 Ancillaries (Performing Arts), etc.	Jan. 19/87	1,085.94	950,723	50
Totals								**5,104,794**	**720**

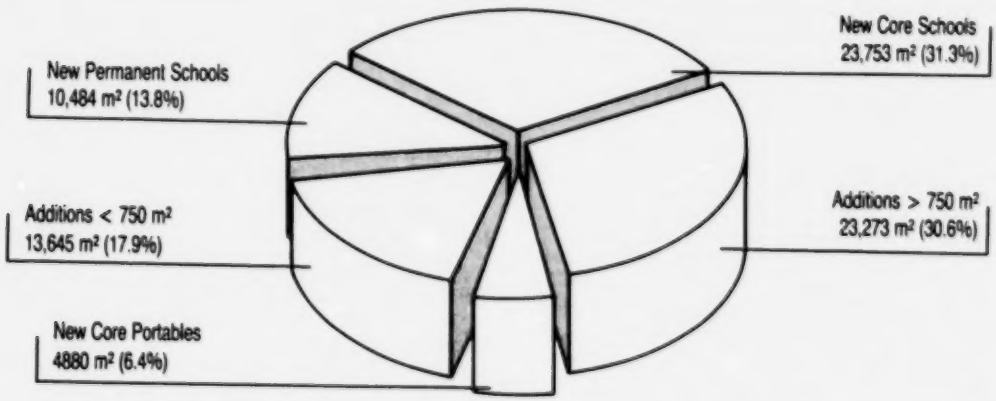
FIGURE 2 Frequency and Type of School Buildings Board Agenda Items April 1, 1986 to March 31, 1987



Total Agenda Items 1,749
Total Number of Meetings Held 38

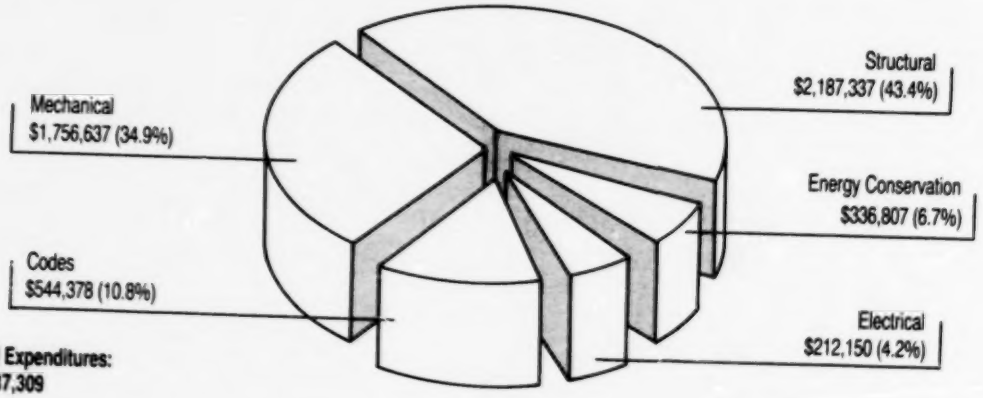
Refer to Table G and Table H for a summary of new construction projects for which tenders and other schemes of construction were approved during the period April 1, 1986 to March 31, 1987.

FIGURE 3 Construction of New Facilities April 1, 1986 to March 31, 1987



Total Area of Tender/Scheme Approved: 76,035 m²

FIGURE 4 Building Quality Restoration Program Expenditures April 1, 1986 to March 31, 1987



FINANCIAL AND ADMINISTRATIVE SERVICES BRANCH

Report of the Director

The Financial and Administrative Services Branch provides policies and procedures for planning and administering school finance, department budgets and finance operations. The branch oversees internal control, administrative support and library services. Branch activities insure that government and department regulations, policies, guidelines and procedures are followed.

An important activity during the year was setting up Budget Coordination as a distinct section of the branch. This new budget planning process links budget planning and department priorities. In response to budget restraint, staff negotiated a three per cent reduction in Vote 2 effective September 1987. Staff also negotiated a 10 per cent reduction in the department's operational budget. The director did development and policy analysis work for the new School Act, especially regarding proposals for equity in education financing.

During 1986-87, the Internal Control Unit became fully active. Policies, guidelines and procedures were developed for confirming enrollment and transportation grants claimed by school jurisdictions and private schools. The director supervised the conversion of transaction processing from batch mode to remote data entry. Throughout the conversion the high financial administration standards of the department were maintained.

Administrative Support Services

The Administrative Support Services section includes four units. They are Word Processing Services, Records Services, Central Support Services and Accommodation Services.

In 1986-87, Word Processing Services added a microcomputer and met requests for preparing complex documents.

Central Support Services had more requests for large volume mailings, stationery supplies orders, convenience copier consulting and installation, and publication distribution.

Records Services saved a total of $153,820 for Alberta Education. One method saw administering controlled disposal through recycling 8757 cubic feet of public and non-record documents. A second transferred 841 cubic feet of public records to the Alberta Records Centre and Provincial Archives. Services to the public included preparing 200 name/age/attendance documents and 25 school district histories.

The Accommodation Services Unit managed projects in several areas. It supervised the design and moves of the Teacher Certification Branch and the Learning Resources Distributing Centre. It set up the Southern Response Centre in the Emily Follensbee School in Calgary. The Edmonton, Red Deer and Lethbridge regional offices received office interior design services and/or mechanical upgrading. The Curriculum and Language Services branches, the Marking Centre, Alberta School for the Deaf and Alberta Correspondence School also received these services.

Budgeting

The budgeting section coordinates the development of the department's budget, and consults on preparing and managing budgets. It monitors expenditures to insure budgets are not overspent. It prepares application for fund transfers and special warrants with backup documentation. Staff provide liaison between the department and the Budget Bureau on most financial matters, and administer the Minister's Grants element.

In 1986-87, this section coordinated the development of Alberta Education's 1987-88 budget of about $1.3 million in relation to departmental priorities and initiatives. About $1.8 million was transferred from administration to grants for school boards. The section successfully negotiated a three per cent budget reduction effective September 1, 1987. Budgets and budget structure were revised to reflect department reorganization.

The budgeting and Financial Operations sections monitored spending of branches and divisions.

Finance Operations

Finance Operations provides broad and coordinated financial services to all branches and program areas of the department. It assures that accounting structures and internal controls and external monitoring follow prescribed government standards. Central Accounts, Revenue Administration, Central Mail, Inventory Control and Internal Control provide regular department services.

An important activity during the year was coordinating and administering a major accounting and financial computer system conversion for the department. Phase one converted the Alberta Financial Information System to the new Management Science of America System (Central Finance System/Central Direct Entry). The second phase was the implementation of the Departmental Finance Systems/Remote Data Entry.

An Internal Control Unit became operational with emphasis on monitoring under the Management and Finance Plan and a new accounting system. This unit helps the senior financial officer in monitoring and evaluating the adequacy of financial procedures and controls. This gives direction to managers on financial administration and management.

Finance Operations also helped coordinate the verification of pupil counts. It developed policy for monitoring pupil enrollments and transportation costs of school jurisdictions. It also set department monitoring standards under the Management and Finance Plan.

Financial Planning

The financial planning section determines financial effects of funding policies. It then coordinates the development of the department budget to support these policies. It also develops equity funding policies and manages systems to assign and control funds budgeted for school grants.

In 1986-87, the section processed grant payments totalling $1.3 billion to school boards, private schools and private Early Childhood Services operators. To support the Management and Finance Plan, an updated School Grants Manual gave better information for school officials responsible for getting funds. Grant application forms were simplified and payment policies were revised to further support the plan. Development of an electronic Grants Financial and Statistical System to increase efficiency and provide better management reporting continued.

The section developed the 1987-88 grants budget and managed the development and explanation of required decreases in grants to schools.

The section used its improved financial and statistical modelling capability to simulate the impact of grant policy alternatives. It studied alternatives for redistributing property taxes among school jurisdictions and advised staff on developing a new School Act.

Library Services

The library played a major role in department priorities and research initiatives by using internal and external services and trained information specialists. The library's information services staff supported the following initiatives:

- Teacher effectiveness
- Secondary education policy implementation
- Alberta Education reorganization
- Response Centres
- Charter of Rights and Freedoms
- Articulation of Early Childhood Services and elementary education
- County Act
- Native Education Project

- Council on Alberta Teaching Standards
- Technology in education
- Distance education
- Centres for excellence
- Superintendent/principal qualifications
- Elementary education review

To inform educators of department policies, programs and initiatives, the section produced and distributed a catalogue. This catalogue lists all available publications, legal services, support and information. Library Services produced a revised edition of the Professional Film Catalogue for provincial schools. To assure future availability of departmental publications, the archival collection of departmental publications from 1902 to the present were catalogued and microfilmed.

The section and the Curriculum Branch Clearinghouse formalized the acquiring, recording and tracking of curriculum resource evaluations. Staff developed a retrospective database of the evaluation information.

To support curriculum development functions of the department, staff collected curriculum guides and programs of studies from other provinces. These were included with the department's historical collection.

A reference librarian worked with the Secondary Education Project to provide information services.

LEARNING RESOURCES DISTRIBUTING CENTRE

Report of the Director

The Learning Resources Distributing Centre provides learning resources to students, teachers, and administrators while stressing courtesy, speed, accuracy and economy. The branch is an economical source of approved and other educational resources for Alberta schools. It also provides educational and other supplies and services to technical and other post-secondary institutions. The branch provides special order services as needed, and sometimes is an outlet for other government services.

Net sales for 1986-87 were $19,065,066 which is a increase of $938,808 or 5.26 per cent from 1985-86. This increase was mainly due to increased student enrollment at our College bookstores. The Centre saw prices increase about 9.4 per cent in stock purchases from vendors, partly shown in net sales. Sales include $9,051,704 for basic learning resources, $4,631,973 for recommended resources and $523,286 for special orders. Total sales show $4,858,103 for the NAIT, SAIT and Alberta College of Art retail outlet bookstores. The Centre administered a basic learning resource subsidy acquisition grant, giving $2,662,266 to jurisdictions for buying basic resources.

In 1986-87, the Learning Resources Distributing Centre focused on improving customer and client services. A visual identification program involved a name change from the School Book Branch to the Learning Resources Distributing Centre. The program also launched a corporate motto (Reaching Students Is What We're About), and a logo. The 1986-87 Buyers' Guide, which promotes educational products to customers, was improved.

The Centre moved to a new facility during the year. The Centre saw major systems planning and development in electronic data processing. This resulted in new customer ordering, receiving and inventory control. It also helped staff with product forecasting and product files. A reorganization shifted priorities toward product planning, market analysis, market development and marketing. Executive liaison structures with NAIT, SAIT, ACA and ACCESS promoted the Centre's

TABLE I
Learning Resources Distributing Centre

	1986-87	1985-86	1984-85	1983-84
Net Sales	$19,065,066	$18,126,258	$18,597,373	$18,029,558
Basic Resources	9,051,704	8,622,747	8,962,050	8,514,848
Recommended Resources	4,631,973	4,645,215	4,863,883	4,828,032
Special Orders	523,286	651,018	582,920	566,145
Computer Software		11,920	266,862	494,598
Supplies		45,548	23,374	
NAIT,SAIT,ACA bookstore	4,858,103	4,149,810	3,898,284	3,625,935
Subsidy	2,662,266	2,536,102	2,635,897	2,504,367

mission, operations and changes. Presentations were made to superintendents, trustees and other administrators.

The branch distributed 76 special items for Alberta Education and other government departments. These distributions included diploma examinations, achievement tests, Terry Fox materials, and Alberta Education publications. The Learning Resources Distributing Centre awarded an inbound fiscal year transportation contract. About 1,017 tons of educational products were received, most shipped from eastern Canada.

PERSONNEL ADMINISTRATION SERVICES BRANCH

Report of the Director

The Personnel Administration Services Branch helps achieve department and branch goals by enabling management to provide and maintain an effective work force. All services are in accordance with the Public Service Act, the Public Service Employee Relations Act and Occupational Health and Safety Act. The branch advises or interprets personnel policies and programs for staffing, utilization and employee development. During 1985-86 the branch conducted the following activities:

- 78 open competitions
- 7 internal competitions
- 189 position classification reviews
- 2 grievances heard through the grievance procedure
- 3 two-day supervisory internal training sessions
- 3 one-day induction sessions

Major developments occurred in the staff resource management program. With the Planning Services Branch, staff implemented a training program for organizational excellence, and approved a staff resource management policy. The branch developed guidelines and administrative procedures, and did research and analysis of department staff turnover. The branch applied the management inventory survey and adopted a management developmental assignment policy.

Efforts in the Occupational Health and Safety program are resulting in fewer accident or injuries, and employees are more aware of safety.

TABLE J
Department Staff Complement
All Positions (excluding wages)
As of March 31, 1987

Branch	Filled	Vacant	Total
Minister's Office	4	1	5
Deputy Minister's Office	5	0	5
Assistant Deputy Minister, Finance and Administration	4	0	4
Financial and Administrative Support Service	82	6	88
School Business Administration Service	17	0	17
School Buildings	27	5	32
Personnel Administration Services	12	1	13
Communications	5	0	5
Assistant Deputy Minister, Planning and Evaluation	4	0	4
Student Evaluation	43	6	49
Planning Services	24	10	34
Computer Services and Data Management	47	6	53
Legislative Services	5	3	8
Assistant Deputy Minister, Program Development	5	0	5
Early Childhood Services	2	2	4
Special Education	9	3	12
Language Services	22	7	29
Media and Technology	10	2	12
Curriculum	26	9	35
Teacher Certification	20	4	24
Native Education Project	4	1	5
Assistant Deputy Minister, Program Delivery	6	0	6
Alberta Correspondence School	149	20	169
Alberta School for the Deaf	100	43	143
Grande Prairie Regional Office	15	2	17
Edmonton Regional Office	37	11	48
Calgary Regional Office	27	5	32
Lethbridge Regional Office	12	3	15
Red Deer Regional Office	16	2	18
Support Programs	21	4	25
Total	**760**	**156**	**916**
* Learning Resources Distributing Centre	52	12	64

* Alberta Education has responsibility for administering the Learning Resources Distributing Centre but the department's regular staff complement does not include its staff. The Learning Resources Distributing Centre is a statutory appropriation.

DIVISION OF PLANNING AND EVALUATION

Report of the Assistant Deputy Minister

The Planning and Evaluation Division has four major areas: Planning Services, Student Evaluation, Student Records and Computer Services, and Legislative Services. In 1985-86, direct responsibility for the Legislative Services Branch shifted from the Deputy Minister's office to the Assistant Deputy Minister. This responsibility continued in 1986-87. The Assistant Deputy Minister is responsible for general supervision of these branches and participates in all policy development activities of the department.

During 1986-87, the Assistant Deputy Minister was involved in these activities:

- developing amendments to the County Act
- preparing a draft of principles which might support a new Teaching Profession Act
- chairing the steering committee of the Electronic Information Processing Needs Study for the department
- serving as Alberta Education's representative on the Council on Alberta Teaching Standards
- reviewing secondary education and the School Act
- preparing a plan for the reorganization of Alberta Education.

The Assistant Deputy Minister, Planning and Evaluation, served the Canadian Education Association as President. With the advisory group, he prepared a report on converting the Canadian Education Index to an on-line computer software data base. The report received unanimous approval by the Board of Directors. The advisory group initiated a review of provincial action in women's issues in education.

The Assistant Deputy Minister was acting chairman of the Board of Directors of the Agency for Instructional Technology starting February 1986. He chaired a committee which developed a mission statement and a statement of operational objectives for the agency. An important action of the committee was an analysis of the current environment in which the agency operates.

PLANNING SERVICES BRANCH

Report of the Director

The Planning Services Branch provides a broad range of services supporting initiatives which address the current and emergent needs of students. These services include planning, policy analysis and development, program evaluation, and development of corporate information systems.

The branch manages and funds educational research and innovative projects related to departmental priorities. It gave $670,000 in grants to jurisdictions, educational institutions and individuals to identify ways to improve the quality of education in Alberta. The information collected provides a base for reviewing and revising educational policies, programs and practices. The ultimate goal is to enhance student learning.

Planning

The planning section produced a Four-Year Plan which identified departmental goals and priorities from 1987 to 1990. A significant part of the plan is an analysis of emerging trends, issues and implications that may affect the provision of education. The branch worked with the Finance and Administrative Services Branch to develop an integrated planning and budgeting process.

With the Personnel Administration Services Branch, the planning section worked on a number of human resource management initiatives. Staff developed a four year management plan to assure the department has the people to achieve its long term goals and directions. Staff development and training tried to increase the knowledge and skills of departmental and school jurisdiction personnel. Training focused on key areas such as leadership and management skills, computers, school evaluation and education law.

The section also worked on the departmental reorganization and developed a statement of Core Values to guide the actions of the department. The section developed better province-wide monitoring practices and coordinated the implementation of the Management and Finance Plan.

Policy Analysis and Development

This unit analyzes, develops, and implements provincial policies and assesses policy implications.

The Program Policy Manual saw major revisions to make it easier to use by school jurisdictions. Changes included modifying the Educational Opportunities Fund Compensatory Policy and adding a Basic Learning Resources Acquisition Subsidy Policy.

The section helped implement the Management and Finance Plan and developed materials for school jurisdictions related to the plan.

The section worked on developing and revising policies on several issues, including home schooling and private schools. Other issues were community schools, use of intelligence tests in Alberta schools, and special education.

Program Evaluation

The program evaluation unit carries out the following tasks:
- directing departmental and school program evaluations;
- overseeing research projects launched and undertaken by the department and school jurisdictions;
- recommending policies and procedures for program evaluations;
- contributing to maintaining or improving the quality and effectiveness of programs.

Following are descriptions of some of the major accomplishments of the program evaluation section during 1986-87.

Background research and evaluation of small schools was the springboard for a small schools/distance education project now in the design stages.

The section made significant progress in the area of system and school evaluation. Regional offices are beginning to use some of the models as they engage in system and school monitoring and evaluation. Staff almost finished developing software for evaluating a district report card. School districts can obtain the software and questionnaire at a nominal cost.

A second-phase research project on light saw completion. The project gives information about the effects lighting may have on children in classrooms.

The section completed a comprehensive study of the Alberta Correspondence School. The study included an analysis of the functions, services and costs of the school, and addressed the future role of technology. This study, along with the work on small schools, gave rise to the small schools/distance education project.

School evaluation projects completed by the Regional Offices of Education were analyzed. Projects related to changes in the school fiscal year were completed.

The section gave direct assistance to a number of school jurisdictions in developing a means of refining teacher evaluation policies. Staff conducted orientation and inservice sessions on school system evaluation for Alberta Education personnel.

Representatives of the Alberta school superintendents and Alberta Education developed a discussion paper on the "Evolving Role of Alberta School Superintendents."

Corporate Information Systems

The section continued to provide user support services to the department with information systems and office automation.

Staff worked on developing an electronic information processing plan for the department. They also actively participated in several task forces and committees on the use of technology in the management and delivery of education.

The section arranged for a standing offer agreement for buying microcomputer equipment to encourage compatibility of hardware and software. Staff coordinated buying and installing a publishing network in the Program Delivery Division.

With the Personnel Administration Services Branch, staff coordinated and offered a number of microcomputer application courses. Courses included introduction to microcomputers and keyboarding skills, word processing, spreadsheets and database management. Staff were active in planning, administering and helping in acquisition and use of office automation systems in the department.

Communications

Planning Services maintained systems designed to improve the flow of information to school systems and education associations. This information ranged from departmental policies to research findings which could help school jurisdictions improve the effectiveness and efficiency of education.

LEGISLATIVE SERVICES BRANCH

Report of the Director

The Legislative Services Branch coordinates legislation and regulations for the department and monitors policies and procedures development related to legislation. The branch administers contracts for services required by the department and coordinates requests for legal opinions from the Attorney General's department. Staff manage litigation matters involving Alberta Education, and interpret legislation and legal opinions. They research legal matters related to education.

During 1986-87, the branch continued to provide extensive support to the Deputy Minister's special consultant in the review of the School Act. This included preparing for the introduction of a new School Act at the 1987 spring session of the Alberta Legislature. As part of this, the branch worked on preparing a document entitled Framework for Legislation: A New School Act. Staff also helped the special consultant to the Deputy Minister develop the legislation.

Legal opinions regarding the School Act and other education issues were requested from the Attorney General's department. These opinions were interpreted to department staff. The branch processed Ministerial orders and prepared recommendations for Orders in Council in several areas. These included regulations and amendments to regulations. Other

areas were changes in school boundaries, debenture borrowing, appointing official trustees and establishing school districts. The contracts processing system continued to provide uniform contracting throughout the department. The branch consulted on the initiation of custom publishing contracts for curriculum resources.

The branch provided support to the Attorney General's department for many court cases. Cases included the following:

- Francophone education rights under s.23 of the Canadian charter of Rights and Freedoms
- unapproved private schools
- disengagement of a joint high school
- school truancy
- residential status of children under a handicapped services agreement with the Department of Social Services
- intervention in Ontario's case to extend funding to Catholic schools in the Supreme Court of Canada.

The branch developed a protocol outlining duties of school principals and welfare workers in child protection cases under the Child Welfare Act. This protocol went out to schools throughout the province. An interdivisional committee started on a department policy for the creation and use of copyright.

Staff provided inservice training for Alberta Education staff in Education Case Law and Contract Law.

STUDENT EVALUATION BRANCH

Report of the Director

The Student Evaluation Branch administers a number of programs and tests related to student achievement. These include Grade 12 provincial diploma examinations, achievement testing, diagnostic evaluation, and General Educational Development tests for awarding High School Equivalency Diplomas.

In 1986-87, the branch developed and administered diploma examinations for several Grade 12 level subjects. These were English 30, English 33, Social Studies 30, Mathematics 30, Biology 30, Chemistry 30, Physics 30 and Langue et Litterature 30. Examinations in Social Studies 30, Mathematics 30, Biology 30, Chemistry 30, and Physics 30 were available in French translation on request. The examinations were administered in January and June in most high schools in the province. Examinations were administered in August in summer schools and in special writing centers.

Number of Students Who Wrote Diploma Examinations

	June 1986	August 1986	January 1987
English 30	13,162	861	8,800
English 33	5,587	195	4,152
Social Studies 30	11,173	329	7,767
Mathematics 30	9,432	853	8,587
Biology 30	9,765	472	7,513
Chemistry 30	8,541	515	6,504
Physics	5,155	326	2,937
Langue et Litt 30	No exam	No exam	64

In June 1986, the branch administered achievement tests in Grade 3 mathematics, Grade 6 science and Grade 9 language arts. The tests were written by almost all of the students enrolled in these programs in the province. Only a small percentage of students were absent from school on the day of test. French translations of the Grade 6 science and Grade 9 French language arts tests were available for French immersion and Francophone schools.

In October 1986, the branch distributed the diagnostic evaluation materials for elementary reading. These materials, which were developed by the branch, are for elementary classroom teachers to use in regular classroom instruction.

General Education Development tests were administered to 2,941 adults. These adults had not completed a high school education but wanted a High School Equivalency Diploma. The tests were administered four times during the reporting period. In 1986-87, 2,112 individuals earned High School Equivalency Diplomas by successfully passing the General Education Development test.

Number of Students Who Wrote General Education Development Tests

Subject	No. of Schools	Male	Female	Total
Mathematics	46	1,979	1,696	3,675
Reading Skills	46	1,998	1,651	3,649
Science	46	1,934	1,612	3,546
Social Studies	46	2,017	1,716	3,733
Writing Skills	46	2,158	1,712	3,870

TABLE K
Student Marks in Diploma Examination Courses
June 1986

DIPLOMA EXAMINATION COURSE	DISTRIBUTION OF STUDENT MARKS				AVERAGE MARK AWARDED
	A (80-100%)	B (65-79%)	C (50-64%)	F (0-49%)	
English 30 (13,122 students)					
School-Awarded Mark	13.0	38.6	39.3	9.1	64.6
Diploma Exam Mark	8.3	36.4	44.1	11.1	63.2
Final Blended Mark	8.7	39.1	46.9	5.4	64.3
English 33 (5,542 students)					
School-Awarded Mark	3.2	29.6	51.7	15.5	59.2
Diploma Exam Mark	9.8	45.0	33.8	11.4	64.8
Final Blended Mark	3.9	37.5	51.5	7.0	62.5
Social Studies 30 (11,148 students)					
School-Awarded Mark	15.8	37.2	38.6	8.4	65.4
Diploma Exam Mark	17.0	41.3	29.5	12.2	66.4
Final Blended Mark	15.2	40.8	37.3	6.8	66.2
Mathematics 30 (9,386 students)					
School-Awarded Mark	18.0	31.0	37.9	13.1	64.6
Diploma Exam Mark	18.5	25.3	28.3	27.9	61.3
Final Blended Mark	17.1	28.4	38.7	15.8	63.4
Biology 30 (9,736 students)					
School-Awarded Mark	19.7	34.2	37.7	8.4	66.3
Diploma Exam Mark	21.0	29.8	29.5	19.7	64.5
Final Blended Mark	19.9	32.3	37.2	10.6	65.8
Chemistry 30 (8,518 students)					
School-Awarded Mark	21.8	32.8	35.2	10.2	66.4
Diploma Exam Mark	21.9	26.3	28.7	23.2	63.6
Final Blended Mark	20.8	31.0	34.5	13.7	65.4
Physics 30 (5,141 students)					
School-Awarded Mark	24.3	38.4	30.5	6.8	68.6
Diploma Exam Mark	23.2	28.3	28.6	20.0	65.1
Final Blended Mark	22.7	34.8	32.5	10.0	67.2

TABLE K
Student Marks in Diploma Examination Courses
January 1987

DIPLOMA EXAMINATION COURSE	DISTRIBUTION OF STUDENT MARKS A (80-100%)	B (65-79%)	C (50-64%)	F (0-49%)	AVERAGE MARK AWARDED
English 30 (8,805 students)					
School-Awarded Mark	12.4	40.8	39.4	7.4	65.1
Diploma Exam Mark	10.1	39.3	40.5	10.2	64.4
Final Blended Mark	9.8	41.6	44.3	4.2	65.3
English 33 (4,153 students)					
School-Awarded Mark	4.1	34.8	50.3	10.8	61.0
Diploma Exam Mark	8.4	41.5	39.1	11.0	64.1
Final Blended Mark	3.7	39.8	51.4	5.1	63.0
Social Studies 30 (7,767 students)					
School-Awarded Mark	15.4	37.8	39.8	6.9	65.8
Diploma Exam Mark	13.2	32.0	35.1	19.6	62.5
Final Blended Mark	13.4	35.6	42.2	8.9	64.5
Mathematics 30 (8,587 students)					
School-Awarded Mark	21.8	34.1	34.9	9.2	67.0
Diploma Exam Mark	45.8	27.5	17.2	9.6	74.7
Final Blended Mark	33.9	34.1	25.8	6.2	71.7
Biology 30 (7,513 students)					
School-Awarded Mark	18.5	37.5	36.9	7.0	66.7
Diploma Exam Mark	19.1	28.0	29.4	23.5	63.1
Final Blended Mark	18.3	32.6	38.0	11.2	65.3
Chemistry 30 (6,504 students)					
School-Awarded Mark	18.8	35.8	36.9	8.5	66.3
Diploma Exam Mark	29.8	29.0	27.7	13.5	68.5
Final Blended Mark	24.2	34.3	33.4	8.1	68.0
Physics 30 (2,937 students)					
School-Awarded Mark	23.8	38.8	31.4	5.9	68.9
Diploma Exam Mark	28.9	32.6	26.8	11.6	69.0
Final Blended Mark	25.9	37.9	30.4	5.8	69.5
Langue et Litt 30 (64 students)					
School-Awarded Mark	32.8	50.0	15.6	1.6	72.9
Diploma Exam Mark	26.6	46.9	25.0	1.6	72.0
Final Blended Mark	31.3	50.0	18.8	0.0	72.8

Note: Figures may have changed slightly because of appeals of school-awarded marks, rescoring of diploma examinations or special cases consideration.

COMPUTER SYSTEMS AND DATA BASE MANAGEMENT BRANCH

Report of the Director

The Computer Systems Data Base Management Branch manages data bases for several groups. These include records of students, teachers, certificated school personnel, schools and school jurisdictions. The branch also provides administrative data processing.

Computer Systems

Staff worked on developing a computer system for processing school grants, with plans to implement phase one for the 1987-88 school year. The section also developed a new system for Audited Financial Statements.

Many improvements were made to existing computer systems. Improvements included adding new functions to the student records system and enhancing the teacher records system.

Over 200 ad hoc requests for new information from departmental systems were processed. The growth of microcomputers continued. There was a similar increase in consulting services for acquiring and using microcomputers and related software packages. A total of 78 new microcomputer systems were acquired, bringing the department total to over 150.

Data Base Management

The branch maintains academic records for all students who have completed high school courses in Alberta since 1905. The branch has about two million student records. Over 800,000 are on computer and over 500,000 are on microfilm.

High school diplomas were issued to 26,084 students. These can be classified as follows:

General High School Diplomas	10,410
Advanced High School Diplomas with Excellence	10,163 2,834
High School Equivalency Diplomas	2,677
TOTAL	26,084

The total number of official high school transcripts issued was 171,137.

The branch also maintains teacher records for all certificated personnel in Alberta since 1974. There are over 61,000 records with 34,352 active certificated personnel on file during 1986-87. This includes classroom teachers, substitute teachers, interns, support staff and central office personnel.

Records also include a school and jurisdiction system. There were 1,731 Alberta schools operating in 1986-87.

TABLE L
Operating Schools by Grade 1986-87

	1986-87	1985-86
Grades 1-6	675	656
Grades 1-9	465	479
Grades 7-9	120	117
Grades 1-12	197	199
Grades 7-12	103	96
Grades 10-12	134	124
*Others	37	48
TOTAL	**1,731**	**1,719**

*Others include evening programs, special education and summer school.

TABLE M
Operating Schools by Type

	1986-87	1985-86
Public Schools	1,271	1,266
Protestant Separate Schools	13	13
Roman Catholic Separate Schools	251	248
Provincial Jails	3	*
Provincial Schools and Colleges	21	*
Department of National Defense Schools	10	*
Department of Indian Affairs Schools	26	*
Private Schools	136	134
TOTAL	**1,731**	**1,719**

Note: In 1985-86, the total number of operating schools, indicated by the asterisks, was 58.

TABLE N
Operation of Schools by School Divisions Counties and Independent Districts 1986-87 September 30, 1986

Unit	No.	ECS	1-6	7-9	10-12	(1-12) Total
Acadia School Division	8		328	129	134	591
Berry Creek	1		70	27	10	107
Cardston	2	233	1,734	704	553	2,991
Crowsnest Pass	63	100	639	322	286	1,247
Cypress	4		435	193	75	703
Drumheller	62	90	449	235	448	1,132
East Smoky	54	136	904	442	416	1,762
Fairview	50	109	838	355	300	1,513
Foothills	38		2,417	1,180	1,219	4,816
Fort Vermilion	52	219	1,734	691	328	2,753
High Prairie	48	286	1,734	869	787	3,390
Lac La Biche	51	164	1,074	517	441	2,032
Mount Rundle	64	82	416	142	173	731
Neutral Hills	16		280	144	118	542
Northland	61	192	1,597	569	190	2,356
Peace River	10	32	1,446	652	652	2,750
Pincher Creek	29	1	587	301	291	1,179
Provost	33		405	166	148	719
Rangeland	9	64	430	194	239	863
Rocky Mountain	15	25	1,284	743	782	2,809
Rocky View	41	457	4,038	1,852	1,736	7,626
Spirit River	47	85	629	297	303	1,229
Starland	30		238	134	108	480
Sturgeon	24	318	2,030	970	1,013	4,013
Taber	6	206	1,171	536	518	2,225
Three Hills	60		755	354	305	1,414
Wainwright	32	146	750	380	410	1,540
Westlock	37	91	1,003	526	602	2,131
Willow Creek	28	188	1,337	717	713	2,767
Yellowhead	12	453	2,316	1,113	1,168	4,597
Athabasca County	12	137	912	488	456	1,856
Barrhead	11	217	1,068	544	700	2,312
Beaver	9	139	965	429	371	1,765
Camrose	22		967	465	337	1,769
Flagstaff	29		918	433	440	1,791
Forty Mile	8	16	504	228	202	934
Grande Prairie	1		1,858	945	613	3,416
Lac Ste. Anne	28		1,246	654	606	2,506
Lacombe	14	227	1,814	858	843	3,515
Lamont	30		826	425	324	1,575

TABLE N - Operation of Schools (Cont'd.)

Unit	No.	ECS	1-6	7-9	10-12	(1-12) Total
Leduc	25	379	2,251	926	503	3,680
Lethbridge	26	179	1,198	617	747	2,562
Minburn	27	93	701	344	489	1,534
Mountain View	17		2,069	1,005	1,051	4,125
Newell	4	39	776	350	239	1,365
Paintearth	18		504	228	188	920
Parkland	31	622	5,243	2,531	2,489	10,263
Ponoka	3		1,288	613	838	2,739
Red Deer	23		2,639	1,252	1,136	5,027
Smoky Lake	13		405	178	232	815
St. Paul	19	131	851	473	352	1,676
Stettler	6		556	281	11	848
Strathcona	20	714	5,040	2,853	3,264	11,157
Thorhild	7	61	321	178	156	655
Two Hills	21	64	421	173	185	779
Vermilion River	24		1,219	600	513	2,332
Vulcan	2		638	269	264	1,171
Warner	5		974	435	336	1,745
Wetaskiwin	10		1,323	631	241	2,195
Wheatland	16		1,165	564	571	2,300
Banff District	102	39	235	88	89	412
Brooks	2092	222	1,108	355	324	2,187
Calgary	19	6,419	39,020	18,919	21,887	79,826
Camrose	1315	148	798	392	699	1,889
Canadian Forces	4986	73	348	157		505
Devon	4972	78	473	188	255	916
Edmonton	7	6,143	31,805	14,390	17,978	60,173
Exshaw	1699	15	106	35		141
Fort McMurray	2833	345	2,189	1,142	1,087	4,418
Grande Cache	5258	75	475	231	283	989
Grande Prairie	2357	407	2,084	875	1,062	4,021
Grovedale	4910	20	110			110
Jasper	3063	41	231	110	101	442
Lakeland	5460	270	1,569	668	1,014	3,251
Leduc	297	151	1,001	705	1,014	2,720
Legal	1738	40	232	85	66	383
Lethbridge	51	587	3,767	1,741	2,034	7,542
Medicine Hat	76	403	3,066	1,374	1,514	5,954
Medley	5029	115	566	195		761
Mynarksi Park	5012	8	76			76

TABLE N - Operation of Schools (Cont'd.)

Unit	No.	ECS	1-6	7-9	10-12	(1-12) Total
Ralston	4981		126	35		161
Red Deer	104	422	3,929	1,743	1,768	7,440
Redcliff	2283		433	186		619
St. Albert	3	316	1,821	818	678	3,317
St. Paul	2228		512	224	7	743
Stettler	1475	109	473	229	499	1,201
Stirling	647	21	168	64	58	290
Swan Hills	5109	63	259	95		354
Waterton Park	4233		15			15
Wetaskiwin	264	181	949	365	859	2,173
Whitecourt	2736		514	222	165	901
Assumption RCSSD	30		26	18		44
Beaverlodge	68	13	59	20		79
Bow Island	82	17	90	40	51	181
Calgary	1	2,083	12,680	5,437	6,005	24,122
Camrose	60	56	297	132		429
Coaldale	73	38	168	111		279
Drayton Valley	111	53	283	119		402
Drumheller	25	37	194	82		276
Edmonton	7	2,330	12,595	5,774	6,766	25,135
Edson	153	30	248	94	20	362
Fairview	35	31	162	101	86	349
Fort McMurray	32	330	1,798	694	818	3,310
Fort Vermilion	26	7	75	39		114
Ft. Saskatchewan	104	40	347	205	229	781
Grande Prairie	28	126	755	343	342	1,440
High Prairie	56	40	247	136		383
Hinton	155	42	191	79		270
Killam	49		28	6		34
Lakeland	150	156	785	393	162	1,340
Leduc	132	69	440	180	29	649
Lethbridge	9	163	1,340	580	489	2,409
McLennan	30	27	79	49		128
Medicine Hat	21	119	899	449	522	1,870
North Peace	43	93	556	278	147	981
Picture Butte	79	27	124	50		174
Pincher Creek	18		250	106	101	457
Ponoka	95	24	137	41		178
Provost	65		106	44	61	211
Red Deer	17	144	919	424	482	1,825

TABLE N - Operation of Schools (Cont'd.)

Unit	No.	ECS	1-6	7-9	10-12	(1-12) Total
Rocky Mtn. House RCSSD	131	32	196	68	1	265
Sexsmith	51	17	80	23		103
Sherwood Park	105	221	1,422	677	605	2,704
Spirit River	36		48	22		70
Spruce Grove	128	57	336	158	144	638
Stony Plain	151	32	216	102		318
Taber	54	33	232	108	104	444
Theresetta	23		40	16		56
Valleyview	84	16	158	48	3	209
Vegreville	16	44	199	109	56	364
Vermilion	97	54	153	68	76	297
Wainwright	31	45	216	93	26	335
Westlock	110	35	212	108	89	409
Wetaskiwin	15	30	201	109		310
Whitecourt	94	61	302	112	121	535
Barons Consolidated	8		62	13	1	76
Falher	69	40	250	97	90	437
Thibault C.P.	35	131	794	298	230	1,322
Glen Avon P.S.	5		306	146		452
St. Albert	6	386	2,476	1,318	1,370	5,164
St. Paul High Sch. Reg. Sch. Dist.	1	111			387	387
Alberta School for the Deaf			41	29	20	90
Total						
Divisions		**3,677**	**33,088**	**15,454**	**14,466**	**63,008**
Counties		**3,038**	**40,660**	**19,970**	**18,697**	**79,327**
Districts		**16,711**	**98,458**	**45,831**	**53,641**	**197,930**
R.C.S.S.D./P.S./C.P.		**7,289**	**43,465**	**19,607**	**19,135**	**82,207**
Consolidated		**40**	**312**	**110**	**91**	**513**
Regional		**111**			**387**	**387**
Alberta School for the Deaf			**41**	**29**	**20**	**90**
GRAND TOTAL		**30,866**	**216,024**	**101,001**	**106,437**	**423,462**

TABLE O
Per Pupil Expenditure for Education
1974-75, 1985-86, 1986-87

	1974-75	1985-86 (a)	1986-87 (a) (Jan.-Aug. '86)
All Schools (Including Regional High Schools)	$ 1,181.95	$ 4,403.85	$ 4,580.92
School Divisions and Counties	1,216.82	4,615.44	4,844.83
Public Districts			
City Public	1,208.80	4,333.40	4,484.05
Town, Village and Rural Public	1,101.54	4,098.69	4,331.80
Separate Districts			
City Separate	1,121.42	4,228.34	4,367.07
Town, Village and Rural Separate	995.22	4,293.61	4,458.64
Separate (City, Town, Village and Rural)	1,096.77	4,239.66	4,381.43
Consolidated Schools	1,197.35	5,303.01	5,507.19
Regional Schools	1,975.55	4,934.78(b)	4,904.00(b)

Footnotes:

(a) Enrolments do not include D.N.D. Schools; however, enrolments include Early Childhood Services at .5. The January to August, 1986 per pupil expenditures were obtained by adding the January to August, 1986 expenditures for boards reporting on the 8-month period to two-thirds of the January to December, 1986 expenditures for boards reporting on the 12-month period and dividing that total by two-thirds of the enrolment as of September 30, 1985. This partial year determination is provided to accommodate the change in a school fiscal year from the January to December period to the September to August period.

(b) Includes only the St. Paul Regional High School District No. 1.

TABLE P

Distribution of Pupils by Age, Grade and Sex as at September 30, 1986

(Does not include Lloydminster)

	SEX	LESS THAN 5 YRS 6 MOS	5 YRS AND NOT 5 YRS 6 MOS	6 YEARS	7 YEARS	8 YEARS	9 YEARS	10 YEARS	11 YEARS	12 YEARS	13 YEARS	14 YEARS	15 YEARS	16 YEARS	17 YEARS	18 YEARS	19 YEARS	20 YEARS	> OR = 21 YRS	TOTAL BY SEX	TOTAL BY GRADE	% OF ENROL-MENTS	MEDIAN AGE
GRADE I	M	13	6044	13142	1340	50	3	1	1														
	F	16	6394	11609	780	39	3	1	1											18843	20994 39437	9.31	6.08
GRADE II	M		18	4829	11629	1785	85	17	5		1	1											
	F		7	5530	10636	1039	57	8	4	2										18370 17483	338.53	8.47	7.30
GRADE III	M			10	4609	10917	1973	127	24	4	2	1											
	F			28	5352	10169	1130	67	14	2	1				1					17667 16764	34431	8.13	8.36
GRADE IV	M				18	4366	10631	2071	171	32	12	2											
	F			1	11	5055	10181	1219	101	21	4	2								17303 16593	33898	8.01	9.34
GRADE V	M			1	2	22	4352	10337	2197	244	29	12	3										
	F					26	5201	9698	1300	131	17	4	1							17199 16378	33577	7.93	10.35
GRADE VI	M					1	48	4278	9825	2164	266	51	7										
	F						32	5098	9684	1290	147	21	4							16640 16276	32916	7.77	11.35
ELEM. SPEC.	M	5	180	308	513	621	695	747	766														
	F	2	112	221	277	319	359	363	383											3835 2036	5871	1.39	9.20
GRADE VII	M				1		1	41	4196	9463	2631	493	67	15	1	3			2	16914			
	F							21	4933	9331	1571	219	38	8	1					16123	33037	7.80	12.40
GRADE VIII	M				1			2	27	3822	9179	2713	544	61	11	6			8	16374			
	F							1	24	4729	9141	1680	254	50	7	3				15889	32263	7.62	13.45
GRADE IX	M								2	35	3913	8740	2721	343	63	3	1	3	8	16036			
	F								3	30	4732	8818	1738	294	28	8	1			13632	31688	7.48	10.09
JR HIGH SPEC	M									740	872	1009											
	F									386	451	526								2621 1363	3984	9.94	13.68
GRADE X	M									1	32	4065	8987	2664	612	132	44	17	137	16691			
	F										77	4786	8914	1899	371	101	42	18	138	16166	32857	7.76	13.31
GRADE XI	M											42	4363	8711	2338	497	87	29	190	16217			
	F											71	5255	8585	1301	235	83	22	214	13766	31983	7.55	16.43
GRADE XII	M											2	28	4049	8943	3969	964	202	748	18905			
	F												62	4843	8660	2271	508	194	1046	17384	36489	8.62	17.73
SR. HIGH SPEC.	M												1084	965	626	270	110	47	360	3462			
	F												573	446	319	134	49	11	94	1626	5088	1.20	17.10
TOTALS BY SEX	M	18	6242	18290	18113	17762	17788	17621	17214	16505	16937	17131	17804	17010	12594	4882	1206	296	1413	218828			
	F	18	6513	17389	17256	16647	16963	16476	16447	15922	16141	16127	16839	15925	10688	2752	684	245	1512	204544	423372	100.00	11.85
GRAND TOTAL		36	12755	33679	35369	34409	34751	34097	33661	32427	33078	33258	34643	32935	23282	7634	1890	543	2925				
% OF ENROLMENT		0.01	3.01	8.43	8.35	8.13	8.21	8.05	7.95	7.66	7.81	7.86	8.18	7.78	5.50	1.80	0.45	0.13	0.69				

TABLE Q
Acceleration and Retardation Report for Public Schools
(Does not include Lloydminster)
Enrollment as at September 30, 1986

	Age	Under Modal Age Number	Under Modal Age Percent	Modal Age Number	Modal Age Percent	Over Modal Age Number	Over Modal Age Percent	Total
Elementary								
Grade I	6+	12,467	31.61	24,751	62.76	2,219	5.63	39,437
Grade II	7+	10,384	28.96	22,465	62.66	3,004	8.38	35,853
Grade III	8+	9,999	29.04	21,086	61.24	3,346	9.72	34,431
Grade IV	9+	9,451	27.88	20,812	61.40	3,635	10.72	33,898
Grade V	10+	9,604	28.60	20,035	59.67	3,938	11.73	33,577
Grade VI	11+	9,457	28.73	19,509	59.27	3,950	12.00	32,916
Elem. Spec.	11+	4,722	80.43	1,149	19.57	0	0.00	5,871
Junior High School								
Grade VII	12+	9,193	27.83	18,794	56.89	5,050	15.29	33,037
Grade VIII	13+	8,606	26.67	18,320	56.78	5,337	16.54	32,263
Grade IX	14+	8,715	27.50	17,558	55.41	5,415	17.09	31,688
Jr. High Spec.	14+	2,449	61.47	1,535	38.53	0	0.00	3,984
Senior High School								
Grade X	15+	8,961	27.27	17,901	54.48	5,993	18.25	32,857
Grade XI	16+	9,731	30.43	17,296	54.08	4,956	15.50	31,983
Grade XII	17+	8,984	24.62	17,603	48.24	9,902	27.14	36,489
Sr. High Spec.	15+	0	0.00	1,657	32.57	3,431	67.43	5,088
Total		122,723	28.99	240,471	56.80	60,178	14.21	423,372

TABLE R
Enrollment in Academic Subjects
(High School Grades) 1986-87

Subject	No. of Schools	Male	Female	Total
Aboriginal Lang 15 (NWT)	1		2	2
Aboriginal Lang 35 (NWT)	1	1	7	8
Accounting 10	282	6,031	7,468	13,499
Accounting 20	248	2,790	3,893	6,683
Accounting 30	177	801	1,460	2,261
Aeroscience 25	1	18	2	20
Aeroscience 35	1	9		9
Agriculture 10	11	101	53	154

Subject	No. of Schools	Male	Female	Total
Agriculture 20	2	2	1	3
Agriculture 30	1		1	1
Applied Sociology 30	48	988	1,242	2,230
Art 10	195	3,686	3,261	6,947
Art 11	8	51	50	101
Art 20	167	1,373	1,521	2,894
Art 21	14	93	160	253
Art 30	139	617	889	1,506

TABLE R - Enrollment In Academic Subjects (Cont'd.)

Subject	No. of Schools	Male	Female	Total
Art 31	17	60	93	153
Aspects of Living 15	1	5	6	11
Ballet 15	2	1	33	34
Ballet 25	2		10	10
Ballet 35	2		8	8
Basic Business 10	1	1		1
Basic Business 20	74	1,124	959	2,083
Basic Business 30	27	182	186	368
Biology 10	341	12,951	14,314	27,265
Biology 15 I.B.	4	116	76	192
Biology 20	315	9,837	11,791	21,628
Biology 25 I.B.	3	32	31	63
Biology 30	312	7,690	11,154	18,844
Blackfoot 15	2	14	11	25
Business Calculations 20	22	173	328	501
Business Communication 20	7	42	168	210
Business Education 10	88	900	1,050	1,950
Business Education 20	39	185	245	430
Business Education 30	26	51	282	333
Canadian History 20	15	194	154	348
Chemistry 10	325	13,343	13,409	26,752
Chemistry 20	307	10,300	10,572	20,872
Chemistry 25 I.B.	7	130	80	210
Chemistry 30	306	8,012	8,168	16,180
Chemistry 35 I.B.	2	12	8	20
Chinese 15	1	8	8	16
Clothing & Textls 20	97	14	708	722
Clothing & Textls 30	71	8	362	370
Communications 21A	68	948	1,205	2,153
Communications 21B	49	520	799	1,319
Comparative Gov't 20	5	77	50	127
Computer Literacy 10	62	598	532	1,130
Computer Processing 10	277	7,105	5,871	12,976
Computer Processing 20	238	3,534	2,117	5,651
Computer Processing 30	143	1,198	495	1,693
Cont Western Phil 20	3	16	12	28
Cree 15	5	21	30	51
Cree 25	5	6	20	26
Cree 35	1	1	2	3
Cult & Phy Anthro 30	19	209	272	481
Dictatyping 20	16	3	186	189
Drama 10	156	1,890	2,961	4,851
Drama 20	119	737	1,172	1,909
Drama 30	88	337	671	1,008

Subject	No. of Schools	Male	Female	Total
Driver Education 10	105	1,809	1,490	3,299
Ec for Consumers 20	42	604	456	1,060
Electronic Music 15	3	80	34	114
English SI 10B	21	174	200	374
English SI 10c	11	108	92	200
English 10	342	11,310	12,682	23,992
English 13	295	7,027	4,655	11,682
English 20	320	10,116	11,743	21,859
English 23	300	6,600	4,571	11,171
English 30	335	10,844	12,710	23,554
English 33	293	5,792	4,555	10,347
English 35 I.B.	2	19	24	43
Exper Psych 30	21	258	513	771
Food Studies 10	207	2,942	3,947	6,889
Food Studies 20	166	976	1,831	2,807
Food Studies 30	113	346	800	1,146
French 10	221	3,058	4,681	7,739
French 10N (9 Yr)	44	533	1,026	1,559
French 10S (6 Yr)	79	1,303	2,277	3,580
French 11	3	10	20	30
French 20	201	1,600	3,257	4,857
French 20N (9 Yr)	40	338	671	1,009
French 20S (6 Yr)	66	793	1,414	2,207
French 30	196	1,298	2,845	4,143
French 30N (9 Yr)	26	113	244	357
French 30S (6 Yr)	43	187	453	640
French 31	20	73	146	219
General Business 15	5	10	11	21
General Psych 20	170	2,922	4,356	7,278
General Social 20	151	2,109	2,673	4,782
Geology 15	1	5		5
Geology 25	1	5		5
German 10	53	579	744	1,323
German 20	47	297	397	694
German 30	42	176	266	442
German 31	1	4	10	14
Health & PD 10	41	1,089	1,283	2,372
Hebrew 15	1	3	1	4
Hebrew 25	1	1	1	2
Hebrew 35	1	1		1
Int Politics 30	18	309	218	527
Intro to Mod Lang 15	3	8	44	52
Inuktitut Stud 15 (NWT)	3	14	17	31
Italian 10	6	69	110	179

TABLE R - Enrollment in Academic Subjects (Cont'd.)

Subject	No. of Schools	Male	Female	Total
Italian 20	5	34	49	83
Italian 30	5	32	45	77
Japanese 15	1	15	4	19
Japanese 25	1	3	14	17
Langue Et Lit 10	17	216	360	576
Langue Et Lit 20	18	156	234	390
Langue Et Lit 30	14	100	159	259
Latin 10	7	66	99	165
Latin 20	5	16	19	35
Latin 30	4	12	8	20
Law 20	190	3,213	2,893	6,106
Law 30	135	1,341	1,493	2,834
Literature 21A	46	476	617	1,093
Literature 21B	24	368	429	797
Local & Can Geog 20	78	1,135	686	1,821
Macro-Economics 30	29	282	259	541
Marketing 20	43	493	484	977
Marketing 30	23	160	149	309
Mathematics 10	345	10,513	10,628	21,141
Mathematics 13	270	6,604	5,897	12,501
Mathematics 15	257	3,294	3,195	6,489
Mathematics 20	321	9,323	9,327	18,650
Mathematics 23	254	5,784	5,379	11,163
Mathematics 25	172	1,110	1,099	2,209
Mathematics 30	319	9,981	9,696	19,677
Mathematics 31	210	3,199	1,824	5,023
Mathematics 33	226	4,550	4,447	8,997
Micro-Economics 30	24	266	256	522
Music 10	77	295	859	1,154
Music 11	168	1,309	1,692	3,001
Music 12	21	145	112	257
Music 15	19	172	265	437
Music 20	57	128	418	546
Music 21	153	766	1,088	1,854
Music 25	18	125	123	248
Music 30	50	55	217	272
Music 31	122	405	533	938
Music 35	16	88	96	184
Occupations 10	61	1,047	882	1,929
Office Procedures 20	77	97	1,050	1,147
Office Procedures 30	60	20	731	751
Outdoor Leadership 15	1	13		13
Outdoor Leadership 25	1	3		3
Outdoor Leadership 35	1	8		8

Subject	No. of Schools	Male	Female	Total
Outdoor Living 15	5	72	18	90
Personal Living Skills 10	63	528	1,078	1,606
Personal Living Skills 20	34	180	506	686
Personal Living Skills 30	43	377	830	1,207
Personal Psych 20	131	2,565	4,078	6,643
Persp for Living 15	7	234	215	449
Phil of Man 30	5	30	65	95
Physical Ed 10	355	16,205	15,184	31,389
Physical Ed 20	323	8,297	4,638	12,935
Physical Ed 30	277	4,176	2,013	6,189
Physics 10	300	9,108	5,934	15,042
Physics 20	283	7,492	4,405	11,897
Physics 22	1	16	2	18
Physics 25 I.B.	2	37	17	54
Physics 30	254	5,843	2,748	8,591
Physics 32	2	16	1	17
Physics 35 I.B.	1	13	8	21
Pol Thinking 20	3	16	10	26
Practical Arts 15A	12	698	142	840
Practical Arts 15B	7	177	6	183
Practical Living 25	2	2	2	4
Practical Living 35	1	1	2	3
Reading 10	118	1,428	1,270	2,698
Recordkeeping 10	57	528	814	1,342
Rel Meanings 20	8	130	131	261
Religious Ethics 20	12	132	155	287
Religious Studies 15	55	2,909	2,879	5,788
Religious Studies 25	50	2,572	2,647	5,219
Religious Studies 35	38	1,580	1,571	3,151
Science 11	253	4,382	3,677	8,059
Science 25	15	214	151	365
Science 35	2	25	18	43
Shorthand 20	48	73	715	788
Shorthand 30	23		200	200
Soc Institutions 20	50	731	838	1,569
Social Studies 10	354	17,156	16,589	33,745
Social Studies 20	322	12,533	12,463	24,996
Social Studies 30	319	9,580	10,647	20,227
Spanish 10	7	53	69	122
Spanish 14	2	14	29	43
Spanish 20	4	3	39	42
Spanish 24	1	3	10	13
Spanish 30	2	1	11	12
Spanish 34	1	4	5	9

TABLE R - (Cont'd.)

Subject	No. of Schools	Male	Female	Total
Theory of Knowledge 35 IB	7	57	55	112
Typewriting 10	329	8,712	13,583	22,295
Typewriting 20	295	1,100	5,358	6,458
Typewriting 30	245	190	2,537	2,727
Ukrainian Lang Arts 10	2	6	14	20
Ukrainian Lang Arts 20	1	7	6	13
Ukrainian Lang Arts 30	1	4	9	13
Ukrainian 10	9	44	50	94
Ukrainian 20	11	35	50	85
Ukrainian 30	12	30	64	94
Western Can Hist 20	35	343	264	607
Word Processing 30	42	40	456	496
World Geography 30	48	615	405	1,020
World History 30	29	433	316	749
World Religions 30	18	155	172	327

TABLE S
Enrollment in Vocational Subjects (High School Grades) 1986-87

Subject	No. of Schools	Male	Female	Total
Aircraft Maint 25A	1	14		14
Aircraft Maint 25B	1	10		10
Aircraft Maint 25C	1	10		10
Aircraft Maint 35A	1	10		10
Aircraft Maint 35B	1	10		10
Aircraft Maint 35C	1	10		10
Auto Body 12	12	239	3	242
Auto Body 22A	14	215	5	220
Auto Body 22B	15	210	5	215
Auto Body 22C	12	82	1	83
Auto Body 32A	13	115	1	116
Auto Body 32B	13	103	1	104
Auto Body 32C	12	75	1	76
Auto Mechanics 35 (NWT)	1	1		1
Auto Parts Merchg 15	2	37	3	40
Auto Parts Merchg 25	1	3		3
Automotive Services 16	1	23	2	25
Automotives 15	13	225	10	235
Automotives 22A	57	1,235	49	1,284
Automotives 22B	51	1,103	39	1,142

TABLE S - (Cont'd.)

Subject	No. of Schools	Male	Female	Total
Automotives 22C	39	623	13	636
Automotives 25	8	50		50
Automotives 32A	48	721	11	732
Automotives 32B	48	690	11	701
Automotives 32C	39	450	7	457
Automotives 35	1	11		11
Beauty Culture 12	55	45	1,768	1,813
Beauty Culture 16	1	1	16	17
Beauty Culture 22A	49	25	927	952
Beauty Culture 22B	45	14	762	776
Beauty Culture 22C	42	8	616	624
Beauty Culture 26	1		4	4
Beauty Culture 32A	42	7	518	525
Beauty Culture 32B	41	4	504	508
Beauty Culture 32C	41	4	452	456
Beauty Culture 32D	37	2	327	329
Build Construct 12	51	1,295	42	1,337
Build Construct 15	12	112	9	121
Build Construct 22A	39	411	7	418
Build Construct 22B	34	341	4	345
Build Const 22C	34	327	5	332
Build Construct 25	7	35	2	37
Build Construct 32A	34	263	2	265
Build Construct 32B	31	259	2	261
Build Construct 32C	30	186	2	188
Build Construct 35	2	17		17
Building Operations 15	5	82		82
Building Operations 25	2	8	1	9
Building Operations 35	1	2		2
Carpentry 15	5	35	2	37
Carpentry 25	1	4		4
Carpentry 25 (NWT)	1	1		1
Carpentry 35	1	5		5
Carpentry 35 (NWT)	1	2		2
Clothing & Textls 10	132	84	1,955	2,039
Commercial Art 15	9	91	84	175
Commercial Art 25A	10	82	70	152
Commercial Art 25B	9	56	47	103
Commercial Art 25C	8	40	31	71
Commercial Art 35A	10	55	60	115
Commercial Art 35B	9	31	38	69
Commercial Art 35C	7	20	22	42
Drafting 10	44	726	171	897
Drafting 20	42	1,392	271	1,663

TABLE S - Enrollment in Vocational Subjects (Cont'd.)

Subject	No. of Schools	Male	Female	Total
Drafting 20	30	244	30	274
Drafting 22A	28	294	28	322
Drafting 22B	33	482	70	552
Drafting 22C	12	53	2	55
Drafting 25	1	8	1	9
Drafting 32A	25	122	11	133
Drafting 32B	29	261	33	294
Drafting 32C	10	47	6	53
Drafting 34	5	57	6	63
Drafting 35	1	1		1
Elect-Electronics 12	35	1,068	30	1,098
Electricity 15	3	20		20
Electricity 22A	8	83	2	85
Electricity 22B	7	53	2	55
Electricity 22C	2	11		11
Electricity 32A	8	46		46
Electricity 32B	8	46		46
Electricity 32C	5	37		37
Electronics 22A	21	217	7	224
Electronics 22B	14	102	3	105
Electronics 22C	19	151	4	155
Electronics 32A	11	45	1	46
Electronics 32B	8	36	1	37
Electronics 32C	14	105	1	106
Fabric Care Technology 15	1	14	24	38
Fabric Care Technology 25	1	4	3	7
Fabric Care Technology 35	1	4	2	6
Fashion & Design 35	2		6	6
Fashion & Furn 15	6	4	63	67
Fashion & Furn 25A	4	2	23	25
Fashion & Furn 25B	3	2	18	20
Fashion & Furn 35A	2		17	17
Fashion & Furn 35B	2		17	17
Fashions & Design 15	4		34	34
Fashions & Design 25	2		14	14
Food Preparation 12	27	530	379	909
Food Preparation 16	1	23	6	29
Food Preparation 22A	20	166	122	288
Food Preparation 22B	16	117	91	208
Food Preparation 22C	15	111	77	188
Food Preparation 26	1	9	4	13
Food Preparation 32A	15	75	37	112
Food Preparation 32B	13	54	40	94
Food Preparation 32C	13	46	36	82
Food Preparation 32D	8	33	22	55
General Business 16	1	5	7	12
General Voc Prep 15 (NWT)	2	20	3	23
Graphic Arts 16	1	11	5	16
Graphic Arts 22A	7	62	38	100
Graphic Arts 22B	6	48	27	75
Graphic Arts 22C	4	19	8	27
Graphic Arts 32A	5	27	6	33
Graphic Arts 32B	4	25	6	31
Graphic Arts 32C	4	14	2	16
Health Services 12	15	90	331	421
Health Services 16	1	4	7	11
Health Services 22	14	28	140	168
Health Services 26	1		3	3
Health Services 32A	10	9	115	124
Health Services 32B	8	7	93	100
Horticulture 12	10	92	82	174
Horticulture 16	1	12	7	19
Horticulture 22A	7	15	21	36
Horticulture 22B	5	12	13	25
Horticulture 22C	4	9	10	19
Horticulture 26	1	7	3	10
Horticulture 32A	3	6	3	9
Horticulture 32B	3	6	4	10
Horticulture 32C	1	3		3
Hvy Duty Equip Op 15	1	9		9
Hvy Duty Equip Op 25	1	6		6
Industrial Ed 10A	198	4,364	889	5,253
Industrial Ed 10B	78	1,002	220	1,222
Industrial Ed 20A	154	2,050	317	2,367
Industrial Ed 20B	59	483	58	541
Industrial Ed 30A	132	996	118	1,114
Industrial Ed 30B	35	179	8	187
Industrial Phys 12	3	30	1	31
Industrial Phys 22	1	5	3	8
Machine Shop 12	15	327	6	333
Machine Shop 22A	15	198	1	199
Machine Shop 22B	15	169	1	170
Machine Shop 22C	9	44		44
Machine Shop 32A	13	72		72
Machine Shop 32B	13	54		54
Machine Shop 32C	9	19		19
Mechanics 12	72	3,031	268	3,299
Performing Arts 15	12	92	151	243

TABLE S - Enrollment in Vocational Subjects (Cont'd.)

Subject	No. of Schools	Male	Female	Total
Performing Arts 25A	4	15	43	58
Performing Arts 25B	1	7	2	9
Performing Arts 25C	1	7	4	11
Performing Arts 35A	3	11	17	28
Performing Arts 35B	1	4	4	8
Performing Arts 35C	1	3	4	7
Photography 15	5	60	34	94
Photography 25	1	3	4	7
Piping 12	6	98	1	99
Piping 22A	5	39		39
Piping 22B	4	34		34
Piping 22C	3	20		20
Piping 32A	4	22		22
Piping 32B	4	22		22
Piping 32C	3	20		20
Practical Arts 16	1	9	14	23
Prod Science 30	7	57	32	89
Related Mech 22A	5	35		35
Related Mech 22B	4	29		29
Related Mech 22C	3	15		15
Related Mech 32A	4	24		24
Related Mech 32B	4	34		34
Related Mech 32C	3	16		16
Service St Operations 15	3	51		51
Sewing 15	1		9	9
Sheet Metal 12	2	58	1	59
Sheet Metal 22A	2	13		13
Sheet Metal 22B	2	10		10
Sheet Metal 22C	2	7		7
Sheet Metal 32A	1	6		6
Sheet Metal 32B	1	4		4
Sheet Metal 32C	1	1		1
Special Projects 10	245	1,837	2,311	4,148
Special Projects 20	236	1,056	1,415	2,471
Special Projects 30	204	780	1,031	1,811
Subtrades 15	4	16	1	17
Subtrades 16	1	21	1	22
Subtrades 25	2	5		5
Subtrades 26	1	8		8
Television Arts 15	1	32	9	41

Subject	No. of Schools	Male	Female	Total
TV Crafts 25A	3	35	7	42
TV Crafts 25B	2	8	2	10
TV Crafts 25C	2	7	1	8
TV Crafts 35A	3	15	4	19
TV Crafts 35B	1	3		3
TV Crafts 35C	1	2		2
Visual Comm 12	37	813	497	1,310
Visual Comm 22A	13	154	73	227
Visual Comm 22B	8	34	17	51
Visual Comm 22C	5	18	13	31
Visual Comm 32A	8	63	42	105
Visual Comm 32B	4	20	11	31
Visual Comm 32C	5	8	4	12
Welding 12	32	717	12	729
Welding 15	11	166	2	168
Welding 22A	31	344	1	345
Welding 22B	27	285	1	286
Welding 22C	22	167	1	168
Welding 25	5	18		18
Welding 32A	29	192	3	195
Welding 32B	26	171	3	174
Welding 32C	23	134	4	138
Work Experience 15	172	1,126	1,234	2,360
Work Experience 25	229	1,849	2,418	4,267
Work Experience 35	228	1,652	2,439	4,091